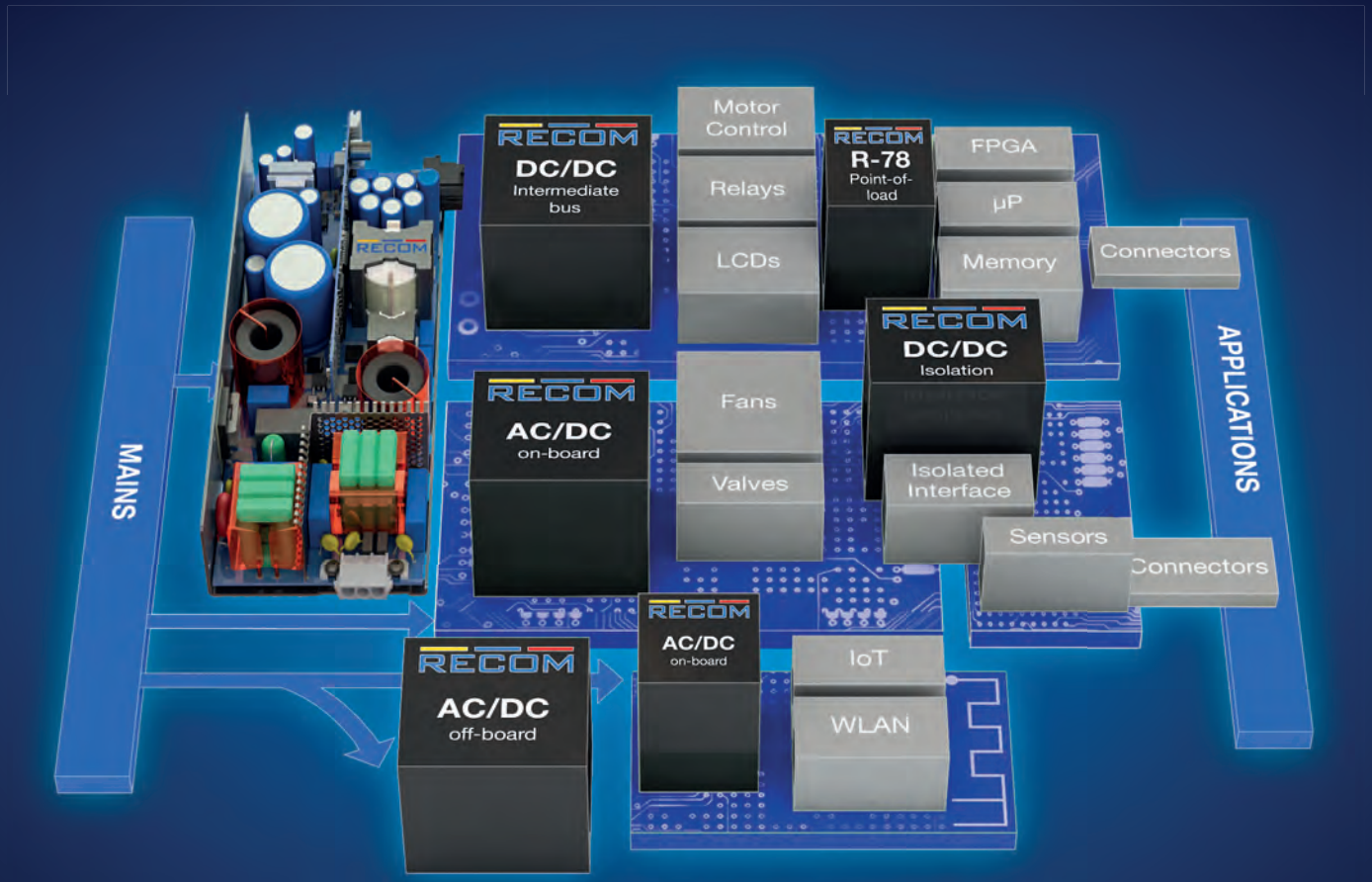
PRODUCT SELECTION GUIDE

AC/DC Converters ■ DC/DC Converters ■ Switching Regulators ■ Led Drivers



WE POWER YOUR PRODUCTS

POWER SUPPLIES FOR DISTRIBUTED POWER ARCHITECTURE

RECOM

POWER SUPPLIES FOR DISTRIBUTED POWER ARCHITECTURE

Innovative. Efficient. Reliable.

Distributed power architecture is an efficient and flexible method by which engineers are able to develop the power structure of their design. An integral part of this design can be the all inclusive power supply module. This is why, we here at RECOM, have developed AC/DC and DC/DC converters needed for today's use in IoT, Industry 4.0, Smart homes and buildings, energy monitoring, medical and transportation applications.

Innovative

Since our first DC/DC converter came off the production line in the late 1980's, we have continued to launch innovative new products regularly. Many of these new products have set new standards within our industry, such as our R-78 switching regulator, the RNM which is the smallest isolated DC/DC and the RS12 which offers double the power in the same size case, as well as our 5W AC/DC designs which are available in a compact 1"x1" case or with 480VAC input or in the same housing as a mains filter (RAC05-K, /480 or /C14 resp.) Over the past four decades, we have maintained our reputation as the most innovative manufacturer and have become one of the fastest growing power supply manufacturers in the industry. This is in large part due to our global staff of exceptional forward-thinking engineers and technical sales and our commitment to high quality products for our customers.

Efficient

When it comes to efficiency, our aim is to go beyond industry expectations. Not only in the performance of our converters, but also by assisting engineers to easily integrate RECOM products into their design. We pride ourselves in providing over 30,000+ modules to choose from, thus increasing the odds of finding the ideal solution for any application. We are able to quickly provide production samples through any of our reliable distributors. We are even able to provide guidance with EMC issues from our own skilled and knowledgeable engineers on our EMC-team.

Reliable

Here at RECOM, we understand that reliability is the most critical aspect when customers are choosing third party power supply products for an application.All our prototypes are extensively tested for performance including rigorous EMC testing and the Highly Accelerated Lifetime Test (HALT) to avoid any design weaknesses prior to a product being released to the market. Due to our thorough development and testing process, we are able to claim a "design lifetime" of up to ten years and provide warranties of up to seven years. We continue to meet the highest international standards and our products are consistently approved by international certification organizations.

RECOM a global manufacturer:

Our manufacturing and logistics sites are ISO 9001 or IATF 16949 certified to guarantee the highest level of quality control for customer satisfaction. RECOM manufactures its products in its factories in Taiwan, China and Italy. This enables us to provide both low cost commercial products as well as custom power solutions.

Certified products: CE, EN, UL, CSA, ENEC, PSE, RCM

RECOM products offer safety certifications including CE, EN, UL, CSA, ENEC and PSE marks to meet the customer's requirements for safety around the world.

Product Selection Guide

This Selection Guide only represents a variety of our most popular products. Please visit www.recom-power.com or contact your local sales rep in case you do not find what you are looking for.

AC/DC CONVERTERS

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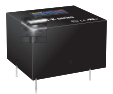
AC/DC CONVERTERS

ON-BOARD

- 1 to 30 Watts
- Regulated outputs
- Single, dual and multiple outputs
- Low output ripple & noise
- Short circuit protection
- Built-in Class B filter
- Ultra compact size
- Optional flying wires (/W)
- RoHS compliant
- ErP compliant (<0.5W in standby)
- CE and EAC marked
- Warranty up to 5 years

Series	Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other features
RAC01-G	1	85-264	3.3, 5, 12, 15, 24	3 kVAC / 1 min.	33.7 x 22.2 x 19.0 mm (1.3“ x 0.9“ x 0.8“)	EN/IEC/UL60950-1 EN/IEC/UL62368-1 EN60335-1, FCC EN55032, EN55024	RAC01-GA: household certified low leakage current
RAC02-G	2	85-264	3.3, 5, 12, 15, 24	3 kVAC / 1 min.	33.7 x 22.2 x 19.0 mm (1.3“ x 0.9“ x 0.8“)	EN/IEC/UL60950-1 EN/IEC/UL62368-1 EN60335-1, FCC EN55032, EN55024	RAC02-GA: household certified low leakage current
new  RAC03-K	3	85-264	3.3, 5, 12, 15, 18, 24	3 kVAC / 1 min.	28.5 x 23.5 x 17.9 mm (1.1” x 0.9” x 0.7”)	IEC60950-1 UL/IEC/EN62368-1 IEC/EN60335-1 EN55032/EN55024 EN55014-1/-2 IEC/EN61204-3	Operating temperature range: -40°C to +80°C household certified tiniest footprint at 3W
RAC03-G	3	85-305	3.3, 5, 9, 12, 15, 24	3 kVAC / 1 min.	37.0 x 24.0 x 15.0 mm (1.5“ x 0.9“ x 0.6“)	EN/IEC/UL60950-1 EN/IEC/UL62368-1 EN60335-1 EN/IEC61558-1, -2,-16, FCC	No load power consumption (<75mW) operating temperature range: -40°C to +85°C RAC03-GA: household certified low leakage current
RAC03-SER/277	3	85-305	3.3, 5, 12, 24	3 kVAC / 1 min.	50.3 x 50.3 x 11.0 mm (2.0“x 2.0“ x 0.4“)	EN/IEC/UL60950-1 EN60335-1 EN55032 EN55024	Low profile < 11mm low no load power consumption (40mW) operating temperature range: -40°C to +85°C round design and flying wires for flushmounting
RAC3.5-K/277	3.5	85-305	3.3, 5, 12, 15, 24	4.2 kVAC / 1 min.	26.7 x 31.7 x 21.8 mm (1.1“ x 1.2“ x 0.9“)	EN/UL62368-1 IEC/EN60335-1 EN62233 EN55032 EN55014-1(-2)	Standby mode optimized (eco design Lot 6) operating temperature range: -40°C to +90°C household certified
RAC04-K/277	4	80-305	3.3, 5, 12, 15, 24	4 kVAC / 1 min.	36.7 x 27.2 x 16.4 mm (1.4“ x 1“ x 0.7“)	IEN/IEC/UL60950-1 EN55032 compliant EN55024 compliant	Universal input 80-305VAC or 110-390VDC cost efficient AC/DC power supply 150% peak power operating temperature range: -40°C to +90°C
RAC04-G	4	85-305	3.3, 5, 9, 12, 15, 24	3 kVAC / 1 min.	37.0 x 24.0 x 15.0 mm (1.5“ x 0.9“ x 0.6“)	EN/IEC/UL60950-1 EN/IEC/UL62368-1 EN60335-1 EN55032 EN/IEC61558-1, -2,-16,FCC	No load power consumption (<75mW) operating temperature range: -40°C to +85°C low profile and typ. 3 Watt footprint RAC04-GA: household certified, low leakage current

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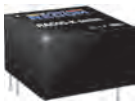
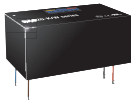
AC/DC CONVERTERS

ON-BOARD

- 1 to 30 Watts
- Regulated outputs
- Single, dual and multiple outputs
- Low output ripple & noise
- Short circuit protection
- Built-in Class B filter
- Ultra compact size
- Optional flying wires (/W)
- RoHS compliant
- ErP compliant (<0.5W in standby)
- CE and EAC marked
- Warranty up to 5 years

Series	Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other features
 RAC05-K	5	85-264	3.3, 5, 12, 15, 24	3 kVAC / 1 min.	25.4 x 25.4 x 16.5 mm (1.0“ x 1.0“ x 0.7“)	EN/IEC/UL60950-1 EN/IEC/UL62368-1 EN61204-3	Super compact size 1” x 1” high efficiency starting from 1W load
RAC05-K/277 (/W)	5	85-305	3.3, 5, 12, 15, 24	4.2 kVAC / 1 min.	26.7 x 31.7 x 21.8 mm (1.0“ x 1.2“ x 0.9“)	EN/UL62368-1 IEC/EN60335-1 EN62233 EN55032 EN55014-1(-2)	Standby mode optimized (eco design Lot 6) operating temperature range: -40°C to +90°C 6W peak power
RAC05-K/480	5	85-528	5, 12, 15	4 kVAC / 1 min.	52.5 x 27.4 x 23.0 mm (2.1“ x 1.1“ x 0.9“)	IEC/EN62368-1 EN/IEC61204-3 EN55032/EN55024 EN55014	Ultra-wide input range 85-528VAC OVC III input rating without additional fuses operating temperature range: -40°C to +80°C 6kV surge protected
RAC10-K/277	10	85-305	3.3, 5, 12, 15, 24, ±12, ±15	4 kVAC / 1 min.	52.5 x 27.4 x 23.0 mm (2.1“ x 1.1“ x 0.9“)	EN/IEC/UL60950-1 EN/IEC/UL62368-1 EN/IEC60335-1 EN55032, EN55024 EN61204, EN62233	OVC III rated operating temperature range: -40°C to +80°C 140% peak power single / dual outputs
RAC15-K	15	85-264	5, 12, 15, 24	3 kVAC / 1 min.	52.5 x 27.4 x 23.0 mm (2.1“ x 1.1“ x 0.9“)	EN/IEC/UL62368-1 EN61204-3 EN60335	Standby mode optimized PSU (ENER Lot 6) ultra-high efficiency over entire load range operating temperature range: -40°C to +85°C
RACM18-ER (/W)	18	90-264	5, 12, 24	4.6 kVAC / 1 min.	53.0 x 51.0 x 24.5 mm (2.1“ x 2.0“ x 1.0“)	EN/IEC/UL60950-1 EN/IEC/UL60601-1 EN/IEC60335-1 EN/IEC61558-2-16 EN60601-,-2, EN55014	Suitable for household and smart building 2MOPP for patient safety, BF rated no load power consumption <75mW IP68 waterproof, 5000m altitude
 RAC20-K (/W)	20	85-264	5, 12, 15, 24, 48 ±12, ±15	3 kVAC / 1 min.	52.5 x 27.4 x 23 mm (2.1“ x 1.1“ x 0.9“)	EN/IEC/UL62368-1 EN60335 IEC/EN61558-1 IEC/EN61558-2-16	Standby mode optimized PSU (ENER Lot 6) ultra-high efficiency over entire load range operating temperature range: -40°C to +85°C
RACM30-ER (/W)	30	90-264	12, 24	4.4 kVAC / 1 min.	53.0 x 51.0 x 33.5 mm (2.1“ x 2.0“ x 1.3“)	EN/IEC/UL60950-1 IEC/UL60601-1 EN/IEC60335-1 EN/IEC61558-2-16 EN60601-1,-2 EN55014-1,-2	2MOPP for patient safety, BF rated no load power consumption <75mW IP68 waterproof, 5000m altitude wired version available

AC/DC CONVERTERS

ON-BOARD

- 1 to 30 Watts
- Regulated outputs
- Single, dual and multiple outputs
- Low output ripple & noise
- Short circuit protection
- Built-in Class B filter
- Ultra compact size
- Optional flying wires (/W)
- RoHS compliant
- ErP compliant (<0.5W in standby)
- CE and EAC marked
- Warranty up to 5 years

Series	Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other features
new RACM40-K/PCB	40	80-265	5, 12, 15, 18, 24, 36, 48	4 kVAC / 1 min.	79.90 x 40.60 x 22.80 mm (3.2” x 1.6” x 0.9”)	EN/IEC60335 EN/IEC62368 EN/IEC60601-1	Internal EMC class B filter 2MOPP and household certified operating temperature range: -40°C to +85°C
new RACM60-K/PCB	60	80-265	5, 12, 15, 24, 36, 48	4 kVAC / 1 min.	76.20 x 50.80 x 19.0 mm (3.0” x 2.0” x 0.8”)	EN/IEC60335 EN/IEC62368 EN/IEC60601-1	Internal EMC class B filter 2MOPP and household certified operating temperature range: -40°C to +85°C
DIN-Rail	N/A	N/A	N/A	N/A	87.8 x 41.5 x 28.6 mm (3.5“ x 1.6“ x 1.1“)	N/A	Screw terminal mounting bracket with DIN RAIL accessory for all AC/DC modules up to 20W
new RAC-ADAPT-ST-1	N/A	N/A	N/A	N/A	91.0 x 50.0 x 1,6 mm (3.5” x 7.9” x 0,06”)	N/A	Up to 488VAC input voltage range 9A current rating for up 90°C air temperature stable solderability by secure packaging

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AC/DC CONVERTERS

OFF-BOARD

- 5 to 550 Watts
- Short circuit protection
- Built-in active PFC
- Built-in Class B filter
- Operating temperature range: from -40°C up to +85°C
- Different package types: enclosed and open-frame (/OF) versions
- RoHS compliant
- ErP compliant (<0.5W in standby)
- CE and EAC marked
- Warranty up to 5 years

Series	Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other features
RAC05-K/C14	5	85-264	3.3, 5, 12, 15, 24	3 kVAC / 1 min.	67.0 x 48.0 x 23.0 mm (2.6“ x 1.9“ x 0.9“)	UL/IEC/EN62368-1 IEC/EN60950-1 IEC/EN61204-3 EN55014-1 / -2 EN55024, EN55032	Isolated power supply with integrated mains filter, safe, touchable DC outputs easy installation worldwide standard IEC input
new RACM40-K/OF	40	80-265	5, 12, 15, 18, 24, 36, 48	4 kVAC / 1 min.	79.90 x 40.60 x 22.80 mm (3.2” x 1.6” x 0.9”)	EN/IEC60335 EN/IEC62368 EN/IEC60601-1	/PCB: solderpin printmount version available internal EMC class B filter 2MOPP and household certified operating temperature range: -40°C to +85°C
new RACM60-K/OF	60	80-265	5, 12, 15, 24, 36, 48	4 kVAC / 1 min.	76.20 x 50.80 x 19.0 mm (3.0” x 2.0” x 0.8”)	EN/IEC60335 EN/IEC62368 EN/IEC60601-1	/PCB: solderpin printmount version available internal EMC class B filter 2MOPP and household certified operating temperature range: -40°C to +85°C
RACM65 (/OF)	65	85-264	5, 12, 15, 24, 48	4 kVAC / 1 min.	91.4 x 60.5 x 33.3 mm (3.6“ x 2.4“ x 1.3“) /OF: 76.2 x 50.8 x 26.5 mm (3.0“ x 2.0“ x 1.0“)	EN/ES/IEC60601-1 EN55011 EN55032 EN55024	2MOPP for patient safety low leakage current (<75µA) BF rated outputs, 5000m altitude 3” x 2” industry standard footprint
RAC150-G (/OF)	150	90-264	12, 24, 48	3 kVAC / 1 min.	105.0 x 62.0 x 35.0 mm (4.1“ x 2.4“ x 1.4“) /OF: 101.6 x 50.8 x 30.0 mm (4.0“ x 2.0“ x 1.2“)	EN/IEC/UL60950-1 UL62368-1 EN55032 EN55024	Efficiency up to 91% SCP, OLP, OTP & OVP protection coldplate cooling output 125W at +50°C with natural convection
new RACM230-G (/OF)	160 / 230	80-264	12, 24, 36, 48, 54	4 kVAC / 1 min.	101.6 x 50.8 x 32.0 mm (4.0“ x 2.0“ x 1.3“)	IEC/EN60950-1, 62368-1, IEC/EN60335-1, 60601-1, IEC/EN61558-1,-2-16, EN55032, EN55024	160W conduction-cooled, fan-less operation 2MOPP and household certified standby power consumption <0.5W wide operating temperature range: -40°C to +80°C
new RACM550-G	300 / 550	80-264	24	4 kVAC / 1 min.	127.0 x 76.0 x 38.0 mm (5“ x 2.9“ x 1.5“)	IEC/EN60950-1, 62368-1, IEC/EN60335-1, 60601-1, IEC/EN61558-1,-2-16, EN55032, EN55024	300W conduction-cooled, fan-less operation 550W peak power or forced air rating 2MOPP and household certified 5VSB Auxiliary and 12V fan outputs

AC/DC CONVERTERS

DIN-RAIL MODULES

- 45 to 960 Watts
- 1-3 phase operation
- High reliability components
- Overcurrent protection
- Overtemperature protection
- Short circuit protection
- Overvoltage protection
- Compact shape and slim-shape
- EN/IEC/UL60950-1 (CB) UL508
- CE and EAC marked
- Warranty up to 7 years

Series	Power (W)	Vin (VAC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other features
REDIN45 REDIN60	45 60	85-264	12, 24	3.75 kVAC / 1 min.	Compact shape 101.2 x 45.1 x 92.0 mm (4.0“ x 1.8“ x 3.6“)	EN/IEC/UL60950-1 UL1310, UL508 EN55032 EN55024	Rear or side mounting operating temperature range: -20°C to +70°C no spacers between supplies required
REDIN120-24/3AC	120	3x 320-575 2x 360-575	24	4.2 kVDC / 1 min.	120.3 x 40.0 x 130.0 mm (4.7“ x 1.6“ x 5.1“)	EN/UL60950-1 UL508 EN55011	Two & three phase operation operating temperature range: -25°C to +70°C parallel connection maximum current limit
REDIN120	120	85-264	12, 24, 48	3 kVAC / 1 min.	Slim-shape 124.0 x 33.0 x 127.9 mm (4.9“ x 1.3“ x 5.0“)	EN/UL60950-1 UL508 EN55032 EN55024	Ultra slim, parallel connection rear or side mounting built-in active PFC, PF>0.95
REDIN240-24/3AC	240	3x 320-575 2x 360-575	24	4.2 kVDC / 1 min.	160.0 x 60.0 x 130.0 mm (6.3“ x 2.4“ x 5.1“)	EN/UL60950-1 UL508 EN55011	Two & three phase operation operating temperature range: -25°C to +70°C parallel connection maximum current limit
REDIN240	240	85-264	24, 48	3 kVAC / 1 min.	Slim-shape 123.7 x 46.0 x 127.9 mm (4.9“ x 1.8“ x 5.0“)	EN/UL60950-1 UL508 EN55032 EN55024	Slim, parallel connection rear or side mounting built-in active PFC, PF>0.95
REDIN480-24/3AC	480	3x 320-575 2x 360-575	24	4.2 kVDC / 1 min.	158.6 x 115.0 x 130.0 mm (6.2“ x 4.5“ x 5.1“)	EN/UL60950-1 UL508 EN55011	Two & three phase operation operating temperature range: -25°C to +70°C parallel connection maximum current limit
REDIN480	480	85-264	24, 48	3 kVAC / 1 min.	Slim-shape 132.8 x 71.0 x 126.1 mm (5.2“ x 2.8“ x 5.0“)	EN/IEC/UL60950-1 UL508 EN5502 EN55024	Slim, parallel connection built-in active PFC, PF>0.95
REDIN960-24/3AC	960	3x 320-575 2x 360-575	24	4.2 kVDC / 1 min.	196.4 x 139.0 x 130.0 mm (7.7“ x 5.5“ x 5.1“)	EN/UL60950-1 UL508 EN55011	Two & three phase operation operating temperature range: -25°C to +70°C parallel connection maximum current limit

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DC/DC CONVERTERS

UNREGULATED

- 0.25 to 3 Watts
- Isolation voltages up to 20 kVDC
- Industry standard pinout
- Low cost series available
- Custom design available
- RoHS compliant
- REACH compliant
- up to 5 years warranty
- EAC marked
- (/E) – high efficiency
- (/H) – higher isolation
- (/P) – short circuit protection
- (-R) – tape & reel packaging
- Single (S), Dual (D)
- Independent Dual (DA) outputs

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)	Certifications	Other features
R0.25S (/E) R0.25D (DA)	0.25	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24, 5/5, 12/12	1 or 3 kVDC / 1 sec.	SMD	12.75 x 10.7 x 6.7 mm (S) (0.5“ x 0.4“ x 0.3“) 15.24 x 10.7 x 6.7 mm (D) (0.6“ x 0.4“ x 0.3“)	EN/IEC/UL60950-1 EN55032	Isolated independent dual outputs (A) operating temperature range: -40°C to +100°C high efficiency (/E), tape & reel packaging (-R) continuous short circuit protection (/P)
RBL/E	0.25	3.3, 5, 12	5	1 or 2 kVDC / 1 sec.	SIP7	19.6 x 6.0 x 10.2 mm (0.8“ x 0.2“ x 0.4“)	IEC/EN60950-1	Operating temperature range: -40°C to +100°C higher isolation requirement 2kVDC (H)
RM (/E)	0.25	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15	1 or 2 kVDC / 1 sec.	SIP4	11.5 x 6.0 x 10.0 mm (0.5“ x 0.2“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C continuous short circuit protection (/P) high efficiency (/E) higher isolation requirement 2kVDC (H)
R0.5S R0.5D	0.5	3.3, 5, 12, 24	5, 12, 15, ±5, ±12, ±15	1 or 3 kVDC / 1 sec.	SMD	12.75 x 10.7 x 6.7 mm (0.5“ x 0.4“ x 0.3“) 15.24 x 10.7 x 6.7 mm (0.6“ x 0.4“ x 0.3“)	UL60950-1	Operating temperature range: -40°C to +100°C tape & reel packaging (-R) continuous short circuit protection (/P) Single (S) oder Dual (D) available
ROL	0.5	5, 12	5, 12, 15	1 or 2 kVDC / 1 sec.	SIP4	11.5 x 6.0 x 10.0 mm (0.5“ x 0.2“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C continuous short circuit protection (/P)
R1DA	1	3.3, 5, 9, 12, 15, 24	3.3/3.3, 5/5, 9/9, 12/12, 15/15	1 kVDC / 1 sec.	SMD	15.24 x 10.7 x 7 mm (0.6“ x 0.4“ x 0.3“)	EN/UL60950-1	Isolated independent dual outputs operating temperature range: -40°C to +100°C tape & reel packaging (-R) continuous short circuit protection (/P)
R1S (/E) R1D	1	3.3, 5, 12, 15, 24	3.3, 5 (/E), 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1,2 or 3 kVDC / 1 sec.	SMD	12.75 x 10.7 x 7 mm (S) (0.5“ x 0.4“ x 0.3“) 15.24 x 10.7 x 7 mm (D) (0.6“ x 0.4“ x 0.3“)	EN/IEC/UL60950-1 EN55032	Operating temperature range: -40°C to +100°C high efficiency (/E), tape & reel packaging (-R) continuous short circuit protection (/P) low cost series available (R1SE, R1SE/H2)
R1SE	1	5	5	1 kVDC / 1 sec.	SMD	12.75 x 10.7 x 7.0 mm (0.5“ x 0.4“ x 0.3“)	UL60950-1	Operating temperature range: -40°C to +85°C tape & reel packaging available (-R) **cost efficient**

DC/DC CONVERTERS

UNREGULATED

- 0.25 to 3 Watts
- Isolation voltages up to 20 kVDC
- Industry standard pinout
- Low cost series available
- Custom design available
- RoHS compliant
- REACH compliant
- up to 5 years warranty
- EAC marked
- (/E) – high efficiency
- (/H) – higher isolation
- (/P) – short circuit protection
- (-R) – tape & reel packaging
- Single (S), Dual (D)
- Independent Dual (DA) outputs

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
R1SE/H2	1	3.3, 5, 12, 15	5, 12, 15	2 kVDC / 1 sec.	SMD	12.75 x 10.7 x 7.0 mm (0.5“ x 0.4“ x 0.3“)	UL60950-1	Operating temperature range: -40°C to +100°C tape & reel packaging available (-R) **cost efficient**
R1SX R1DX	1	3.3, 5, 12	3.3, 5 ±5, ±9, ±12, ±15	1 or 3 kVDC / 1 sec.	SMD	12.75 x 10.8 x 5.8 mm (S) (0.5“ x 0.4“ x 0.2“) 15.24 x 10.7 x 8.5 mm (D) (0.6“ x 0.4“ x 0.3“)	EN/IEC/UL62368-1 UL60950-1 EN55032/24	Operating temperature range: -40°C to +100°C tape & reel packaging (-R) fully automated SMD manufacture, pin compatible with R1SIR1D series, **cost efficient**
RAM	1	5, 12, 24	5	3.75 or 5 kVDC / 1 sec.	SMD	18.0 x 8.7 x 6.7 mm (0.7“ x 0.3“ x 0.3“)	EN60950-1 EN55032	Operating temperature range: -40°C to +100°C tape & reel packaging (-R) very low isolation capacitance (4pF)
RB (/E)	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24 ±3.3, ±5, ±9, ±12, ±15, ±24	1 or 2 kVDC / 1 sec.	SIP7	19.6 x 6.0 x 10.2 mm (0.8“ x 0.2“ x 0.4“)	EN/IEC/UL60950-1 EN55032	High efficiency (/E) operating temperature range: -40°C to +85°C continuous short circuit protection (/P) low cost series available (RBE)
RBE	1	5	5	1 kVDC / 1 sec.	SIP7	19.6 x 6.0 x 10.2 mm (0.8“ x 0.2“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C industry standard **cost efficient**
RBM	1	5, 12	5, 12, 15, ±5, ±12, ±15	3 kVDC / 1 sec.	SIP6 Micro	16.55 x 6.0 x 7.7 mm (0.7“ x 0.2“ x 0.3“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C continuous short circuit protection (/P)
RE	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	1 or 2 kVDC / 1 sec.	SIP7	19.6 x 6.0 x 10.2 mm (0.8“ x 0.2“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C continuous short circuit protection (/P) low cost series available (REE)
REE	1	5	5	1 kVDC / 1 sec.	SIP7	19.6 x 6.0 x 10.2 mm (0.8“ x 0.2“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C industry standard **cost efficient**

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DC/DC CONVERTERS

UNREGULATED

- 0.25 to 3 Watts
- Isolation voltages up to 20 kVDC
- Industry standard pinout
- Low cost series available
- Custom design available
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- REACH compliant
- up to 5 years warranty
- EAC marked
- (/E) – high efficiency
- (/H) – higher isolation
- (/P) – short circuit protection
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- Independent Dual (DA) outputs

Series		Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
	REM1	1	3.3, 5, 12, 15, 24	3.3, 5, 12	5.2 kVDC / 1 min. 4 kVAC / 1 min.	SIP7	19.6 x 6.0 x 10.2 mm (0.8“ x 0.2“ x 0.4“)	EN/IEC62368-1 ES/IEC/UL60601-1 EN55032 EN60601-1,-2	Medical approved, 2MOPP for patient safety reinforced isolation for 250VAC working voltage CF rated outputs, 5000 m operation, operating temperature range: -40°C up to +100°C
	RFB	1	5	5	1 kVDC / 1 sec.	SIP7	19.6 x 6.0 x 10.2 mm (0.7“ x 0.2“ x 0.4“)	UL60950-1	Low cost 1W converter 1:1 input voltage range SIP7 package, 1kVDC isolation **cost efficient**
	RFM	1	5	5	1 kVDC / 1 sec.	SIP4	11.5 x 6.0 x 10.0 mm (0.4“ x 0.2“ x 0.4“)	UL60950-1	Low cost 1W converter industry standard pinout SIP4 package, 1 kVDC isolation **cost efficient**
	RFMM	1	5	5	4 kVDC / 1 sec.	SIP7	19.65 x 7.05 x 10.2 mm (0.7“ x 0.3“ x 0.4“)	UL60950-1	Low cost 1W converter industry standard pinout, SIP7 package, 4 kVDC isolation **cost efficient**
	RK RH	1	5, 12, 15, 24	5, 9, 12, 15, ±5, ±9, ±12, ±15, +15/-9	3 or 4 kVDC / 1 sec.	SIP7	19.65 x 6.0 x 10.2 mm (0.8“ x 0.2“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +90°C continuous short circuit protection (/P) low cost series available (RKE)
	RK/H6 RH/H6	1	5, 12, 15, 24	3.3, 5, 12, 15, ±3.3, ±5, ±12, ±15	6.4 kVDC / 1 sec.	SIP7	19.65 x 7.05 x 10.2 mm (0.8“ x 0.3“ x 0.4“)	IEC/UL60950-1 IEC62368-1 EN55032	Operating temperature range: -40°C to +90°C high capacitive load capability
	RKE/H	1	5, 12, 24	5	4 kVDC / 1 sec.	SIP7	19.6 x 7.05 x 10.2 mm (0.8“ x 0.3“ x 0.4“)	EN/IEC/UL60950-1 EN55032/24	Operating temperature range: -40°C to +85°C high isolation **cost efficient**
	RNM	1	3.3, 5, 12, 15	3.3, 5, 9, 12, 15	1 or 2 kVDC / 1 sec.	DIP6	8.3 x 8.3 x 6.8 mm (0.3“ x 0.3“ x 0.3“)	EN/IEC/UL60950-1	Ultra compact operating temperature range: -40°C to +85°C continuous short circuit protection (/P)

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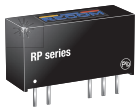
Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
RO (/E)	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	1 or 2 kVDC / 1 sec.	SIP4	11.5 x 6.0 x 10.0 mm (0.5“ x 0.2“ x 0.4“)	EN/IEC/UL60950-1	High efficiency (/E) operating temperature range: -40°C to +85°C continuous short circuit protection (/P) low cost series available (ROE)
ROE	1	3.3, 5, 12, 15, 24	5, 12, 15	1 kVDC / 1 sec.	SIP4	11.5 x 6.0 x 10.0 mm (0.5“ x 0.2“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C industry standard **cost efficient**
ROM	1	3.3, 5, 12	5, 12, 15	3 kVDC / 1 sec.	SIP4 Micro	11.5 x 6.0 x 7.7 mm (0.5“ x 0.2“ x 0.3“)	EN/UL60950-1	Operating temperature range: -40°C to +85°C continuous short circuit protection (/P)
 RP	1	5, 9, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24 +15/-9	5.2 kVDC / 1 sec.	SIP7	19.65 x 7.05 x 10.2 mm (0.8“ x 0.3“ x 0.4“)	EN/IEC60950-1	Operating temperature range: -40°C to +85°C continuous short circuit protection (/P)
RU RUM	1	3.3, 5	5/5	1 or 2 kVDC / 1 sec.	SIP7 SIP6 Micro	19.6 x 6.0 x 10.2 mm (RU) (0.8“ x 0.2“ x 0.4“) 16.55 x 6.0 x 7.7 mm (RUM) (0.7“ x 0.2“ x 0.3“)	EN60950-1	Isolated independent dual outputs operating temperature range: -40°C to +85°C continuous short circuit protection (/P) low profile (RUM)
RxxPxx (/R)	1	5, 12, 15, 24	3.3, 5, 6, 9, 12, 15, ±3.3, ±5, ±9, ±12, ±15, +15/-9	6.4 or 8 kVDC / 1 sec.	SIP7	19.5 x 9.8 x 12.5 mm (0.8“ x 0.4“ x 0.5“)	EN/UL60950-1 EN/IEC/UL60601-1 ES60601-1	Medical approved (/R6.4 & /R8 versions) operating temperature range: -40°C to +90°C continuous short circuit protection (/P) reinforced isolation (/R6.4 & /R8)
RN	1.25	3.3, 5, 9, 12, 15, 24	3.3, 5, 7, 9, 12, 15, 24	1 or 2 kVDC / 1 sec.	DIP8	12.6 x 10.1 x 7.6 mm (0.5“ x 0.4“ x 0.3“)	EN60950-1	Operating temperature range: -40°C to +85°C continuous short circuit protection (/P)
R2S R2D	2	5, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±5, ±9, ±12, ±15, ±24	1 or 3 kVDC / 1 sec.	SMD	12.75 x 10.7 x 9.0 mm (0.5“ x 0.4“ x 0.4“) 15.24 x 10.7 x 9.0 mm (0.6“ x 0.4“ x 0.4“)	EN/IEC/UL60950-1 EN55032	Operating temperature range: -40°C to +100°C tape & reel packaging (-R) continuous short circuit protection (/P) single (S) or dual (D) available

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R2SX	2	5, 12, 24	3.3, 5, 15, 24	1 or 3 kVDC / 1 sec.	SMD	15.24 x 11.1 x 8.0 mm (D) (0.6“ x 0.4“ x 0.4“)	EN/IEC/UL62368-1 EN/IEC/UL60950-1 EN55032 EN55024	Operating temperature range: -40°C to +100°C no minimum load required **cost efficient**
REM2	2	3.3, 5, 12, 15, 24,	3.3, 5, 9, 12, ±3.3, ±5, ±12,	5,2 kVDC / 1 min.	SIP8	23.0 x 8.0 x 12.2 mm (0.9” x 0.4” x 0.5”)	IEC/EN62368-1 EN/IEC60601-1 EN60601-1-2	Operating temperature range: -40°C to +95°C single or dual output. Medical approved, 2 MOPP for patient safety, reinforced isolation for 250VAC working voltage, CF rated outputs, 5000 m operation
RD	2	5, 12, 24	±5, ±12, ±15, ±24	1 or 2 kVDC / 1 sec.	SIP7	19.65 x 7.0 x 10.2 mm (0.8“ x 0.3“ x 0.4“)	IEC/EN60950-1	Operating temperature range: -40°C to +85°C continuous short circuit protection (/P)
RI	2	5, 12, 15, 24	5, 12, 15	1 kVDC / 1 sec.	SIP4	11.5 x 7.6 x 10.2 mm (0.5“ x 0.3“ x 0.4“)	IEC/EN60950-1	Operating temperature range: -40°C to +85°C continuous short circuit protection (/P)
RJZ RGZ	2	3.3, 5, 9, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24, +15/-9	3 or 4 kVDC / 1 sec.	DIP14	19.9 x 10.0 x 7.1 mm (0.8“ x 0.4“ x 0.3“)	IEC/EN60950-1 EN55032	Operating temperature range: -40°C to +90°C continuous short circuit protection (/P) single, dual or asymmetric output options
RKZ	2	5, 12, 24	5, 12, 15, ±5, ±12, ±15, +15/-9, +20/-5	3 or 4 kVDC / 1 sec.	SIP7	19.65 x 7.05 x 10.2 mm (0.8“ x 0.3“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C continuous short circuit protection (/P) single, dual or asymmetric output options
new RKZE	2	5, 12, 15, 24	5, 9, 12, 15, ±5, ±12, ±15	3 or 4 kVDC / 1 sec.	SIP7	19.65 x 7.05 x 10.2 mm (0.7“ x 0.2“ x 0.4“)	EN62368-1 EN55032 EN55024	Low cost 2W converter industry standard SIP7 package 3 kVDC or 4 kVDC isolation options single or dual outputs, **cost efficient**
RTM	2	5, 12, 24	5	2 or 3 kVDC / 1 sec.	SMD	18.0 x 8.7 x 7.2 mm (0.7“ x 0.3“ x 0.3“)	EN60950-1 EN55032	Operating temperature range: -40°C to +90°C tape & reel packaging (-R)

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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
new RHV2	2	5, 12, 24	5, 12, 24, ±5, ±12	20 kVDC / 1 sec.	SIP16	45.0 x 15.0 x 17.0 mm (1.7" x 0. 6" x 0.7")	IEC/EN62368-1 IEC/EN61010-1	Compact SIP16 case with >30mm pin separation low 4pF max. isolation capacitance operating temperature range: -40°C to +85°C at full load
RUZ	2	5	5/5	1 or 2 kVDC / 1 sec.	SIP7	19.65 x 7.0 x 10.2 mm (0.8" x 0.3" x 0.4")	IEC/EN60950-1	Isolated independent dual outputs operating temperature range: -40°C to +85°C continuous short circuit protection (/P)
RV (/R)	2	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24, ±3.3, ±5, ±9, ±12, ±15, ±24, +15/-9	6, 6.4 or 8 kVDC / 1 sec.	DIP24 Micro	32.4 x 14.7 x 11.1 mm (1.3" x 0.6" x 0.4") 32.4 x 14.4 x 11.4 mm (/R) (1.3" x 0.6" x 0.5")	EN/UL60950-1 EN61010-1 EN/IEC/UL60601-1 EN55032	Medical approved (/R6.4 & /R8 versions) continuous short circuit protection (/P) operating temperature range: -40°C to +90°C single, dual or asymmetric output options
RxxP2xx (/R)	2	5, 12, 15, 24	3.3, 5, 9, 12, 15, ±3.3, ±5, ±9, ±12, ±15, +15/-3, +15/-9, +20/-5	6.4 or 8 kVDC / 1 sec.	SIP7	19.5 x 9.8 x 12.5 mm (0.8" x 0.4" x 0.5")	EN/UL60950-1 EN/IEC/UL60601-1 ES60601-1 EN55032	Medical approved (/R6.4 & /R8 versions) continuous short circuit protection (/P) operating temperature range: -40°C to +85°C single, dual or asymmetric output options
RI3	3	5, 12, 15, 24	5, 9, 12, 15	1, 2 or 3 kVDC / 1 sec.	SIP4	11.5 x 7.6 x 10.2 mm (0.5" x 0.3" x 0.4")	EN/IEC/UL60950-1 EN55032	Very high power density operating temperature range: -40°C up to +100°C
RKZ3	3	5, 12, 24	5, 12	3 or 4 kVDC / 1 sec.	SIP7	19.6 x 7.5 x 12.2 mm (0.8" x 0.3" x 0.5")	IEC/EN62368-1	High power density efficiency up to 90% pin-compatible with RK & RKZ
new RHV3	3	5, 12, 24	5, 12, 24, ±5, ±12	20 kVDC / 1 sec.	SIP16	45.0 x 15.0 x 17.0 mm (1.7" x 0. 6" x 0.7")	IEC/EN62368-1 IEC/EN61010-1	Compact SIP16 case with >30mm pin separation low 4pF max. isolation capacitance operating temperature range: -40°C to +80°C at full load

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DC/DC CONVERTERS

REGULATED

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- Isolation voltages up to 10 kVDC
- Short circuit protection
- Optional heatsinks available
- Low cost series available
- Custom design available
- RoHS compliant
- REACH compliant
- Warranty up to 5 years
- EAC marked
- (-R) – tape & reel packaging
- (/P) – short circuit protection
- (Z), (W) – wide input range
- (-HC) – heatsink available
- (/SMD) – surface mount device
- (/M) – metal case

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
R0.5Z	0.5	5, 12, 15, 24	5, 12, 15	1 or 2 kVDC / 1 sec.	SMD	15.24 x 10.7 x 7.1 mm (0.6“ x 0.4“ x 0.3“)	EN/UL60950-1 EN55022	Operating temperature range: -40°C to +85°C tape & reel packaging (-R) continuous short circuit protection (/P)
R0.5ZX	0.5	5	5	1 or 2 kVDC / 1 sec.	SMD	15.24 x 11.1 x 8.5 mm (0.6“ x 0.4“ x 0.4“)	IEC/EN60950-1 UL60950 EN/IEC/UL62368-1 EN55032 EN55024	Operating temperature range: -40°C to +100°C regulated output with internal linear regulator industry standard pinout
R1Z	1	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15	1 or 2 kVDC / 1 sec.	SMD	15.24 x 10.7 x 9.0 mm (0.6“ x 0.4“ x 0.4“)	EN/IEC/UL60950-1 EN55022	Operating temperature range: -40°C to +70°C tape & reel packaging (-R) continuous short circuit protection (/P)
R1ZX	1	5	5	1 or 2 kVDC / 1 sec.	SMD	15.24 x 11.1 x 8.5 mm (0.6“ x 0.4“ x 0.4“)	IEC/EN/UL60950-1 EN/IEC/UL62368-1 EN55032 EN55024	Operating temperature range: -40°C to +80°C regulated output with internal linear regulator industry standard pinout
RAZ	1	5, 12, 24	5	1.25 or 2.5 kVDC / 1 sec.	SMD	18.0 x 8.7 x 7.8 mm (0.7“ x 0.3“ x 0.3“)	IEC/EN60950-1 EN60601-1	Operating temperature range: -40°C to +85°C tape & reel packaging (-R)
RSO	1	4.5-9, 4.5-18, 9-18, 9-36, 18-36, 18-72, 36-72	3.3, 5, 9, 12, 15, ±3.3, ±5, ±9, ±12, ±15	1, 2 or 3 kVDC / 1 sec.	SIP8	21.8 x 9.2 x 11.1 mm (0.9“ x 0.4“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C 2:1 and 4:1 wide input voltage options low cost series available (RSOE)
RSOE	1	4.5-9, 18-36	5	2 kVDC / 1 sec.	SIP8	21.8 x 9.2 x 11.1 mm (0.9“ x 0.4“ x 0.4“)	UL60950-1 IEC/EN/UL62368-1	Operating temperature range: -40°C to +80°C **cost efficient**
RY	1	5, 9, 12, 15, 24	5, 9, 12, 15, 24 ±5, ±9, ±12, ±15, ±24	1 kVDC / 1 sec.	SIP7	19.65 x 7.05 x 10.2 mm (0.8“ x 0.3“ x 0.4“)	EN60950-1	Control pin (on/off) operating temperature range: -40°C to +70°C continuous short circuit protection (/P)

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REGULATED

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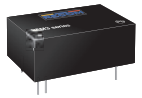
Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
RS	2	4.5-9, 9-18, 9-36, 18-36, 18-72, 36-72	3.3, 5, 9, 12, 15, ±3.3, ±5, ±9, ±12, ±15	1, 2 or 3 kVDC / 1 sec.	SIP8	21.8 x 9.2 x 11.1 mm (0.9“ x 0.4“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C 2:1 and 4:1 wide input voltage options low cost series available (RSE)
RSE	2	4.5-9, 18-36	5	2 kVDC / 1 sec.	SIP8	21.8 x 9.2 x 11.1 mm (0.9“ x 0.4“ x 0.4“)	UL60950-1 IEC/EN/UL62368-1	Operating temperature range: -40°C to +75°C **cost efficient**
new RSH2	2	4.5-13.2, 18-36, 36-72	3.3, 5, 9, 12, 15,	2 or 3 kVDC / 1 min.	SMD	18.9 x 17.2 x 8.7 mm (0.7” x 0.7” x 0.3”)	EN/IEC/UL62368-1 UL60950-1 EN55032	2:1 and 3:1 wide input range voltage 2W power in compact SMD package efficiency up to 84% operating temperature range: -40°C to +100°C
RTC2	2	4.5-9, 18-36	5	3 kVDC / 1 sec.	SMD	14.9 x 14.2 x 9.6 mm (0.6“ x 0.6“ x 0.4“)	EN/IEC62368-1 EN55022	Operating temperature range: -40°C to +85°C compact SMD package, control pin (on/off) more space for PCB, tape & reel packaging (-R) **cost efficient**
RW2	2	4.5-9, 9-18, 18-36, 36-72	3.3, 5, 12, 15, ±5, ±9, ±12, ±15	1, 2 or 3 kVDC / 1 sec.	DIP16 Mini SMD	24.2 x 14.5 x 9.7 mm (1.0“ x 0.6“ x 0.4“) 22.1 x 12.55 x 8.5 mm (0.9“ x 0.5“ x 0.3“)	IEC/EN60950-1 EN60601-1	Operating temperature range: -40°C to +85°C DIP16 Mini smaller case size (/B) SMD version available (/SMD)
REC3A	3	4.5-9, 18-36	5	2 kVDC / 1 sec.	DIP24	31.8 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“)	UL60950-1 IEC/EN62368-1 EN55022	Operating temperature range: -40°C to +100°C no minimum load required UVLO option **cost efficient**
REC3-RW	3	4.5-9, 9-18, 9-36, 18-36, 18-72, 36-72	3.3, 5, 9, 12, 15, ±5, ±12, ±15	2, 4 or 6 kVDC / 1 sec.	DIP24 SMD	32.0 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“) 32.0 x 19.9 x 11.2 mm (1.3” x 0.8” x 0.4”)	EN/UL60950-1	Operating temperature range: -40°C to +80°C SMD package (/SMD) or metal case (/M) tape & reel packaging (-R) 4:1 input voltage availabe (Z)
 REM3	3	4.5-9, 9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, 24, ±5, ±12, ±15	5 kVAC / 1min.	DIP24	31.8 x 20.3 x 10.4 mm (1.3“ x 0.8“ x 0.4“)	ES/IEC60601-1 EN55011 EN60601-1,-2	Medical approved, 2MOPP for patient safety reinforced isolation for 250VAC working voltage CF rated outputs, 5000m altitudes operating temperature range: -40°C to +100°C

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DC/DC CONVERTERS

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- (Z), (W) – wide input range
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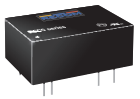
Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
RS3	3	4.5-9, 9-18, 9-27, 18-36, 20-60, 36-72	3.3, 5, 9, 12, 15, ±3.3, ±5, ±9, ±12, ±15	1, 2 or 3 kVDC / 1 sec.	SIP8	21.8 x 9.2 x 11.1 mm (0.9“ x 0.4“ x 0.4“)	IEC/EN60950-1	Operating temperature range: -40°C to +71°C high power density, control pin (on/off)
new RSH3	3	9-18, 18-36	5, 12, 15, 24, ±12, ±15	2 or 3 kVDC / 1 min.	SMD	18.9 x 17.2 x 8.7 mm (0.7” x 0.7” x 0.3”)	EN/IEC/UL62368-1 UL60950-1 EN55032	2:1 wide input range voltage 3W power in compact SMD package efficiency up to 83% operating temperature range: -40°C to +100°C
RW	3	4.5-9, 9-18, 18-36, 36-72	3.3, 5, 9, 12, 15, ±5, ±9, ±12, ±15	1 kVDC / 1 sec. (S) 3 kVDC / 1 sec. (D)	DIP24 SMD	32.3 x 14.7 x 7.0 mm (S) (1.3“ x 0.6“ x 0.3“) 32.0 x 17.5 x 7.0 mm (D) (1.3“ x 0.7“ x 0.3“)	EN60950-1	Operating temperature range: -40°C to +85°C SMD option for RW-S available (/SMD)
Rxx-B	3 5	5 12, 15, 24	41-120 50-200	3 kVDC / 1 sec.	DIP24	31.8 x 20.3 x 9.4 mm (1.3“ x 0.8“ x 0.4“)	EN/IEC60950-1	Adjustable output voltage up to 200VDC cascadable for output voltages up to 400VDC remote voltage programming by external voltage or resistance
REC3.5/R	3.5	4.5-9, 9-18, 18-36, 36-75	5, 9, 12, 15, 24, ±5, ±9, ±12, ±15	8 or 10 kVDC / 1 sec.	DIP24	32.0 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“)	UL60950-1 EN/IEC/UL60601-1 EN55022	Medical approved reinforced isolation (/R8 & /R10) operating temperature range: -40°C to +85°C no minimum load required
REM3.5E	3.5	5, 12, 24, 48	5, 9, 12, 15, 24 ±5, ±9, ±12, ±15	8 or 10 kVDC / 1 sec.	DIP24 SMD	31.8 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“) 31.8 x 20.3 x 11.2 mm (1.3“ x 0.8“ x 0.4“)	EN/IEC/UL60601-1 IEC60601-1-2	2MOPP, 250VAC working voltage isolation clearance and creepage distance >8mm up to 10kVDC reinforced insulation, 2:1 wide input operating temperature range: -40°C to +85°C
 REC5	5	4.5-9, 9-18, 9-36, 18-36, 18-72, 36-72	3.3, 5, 9, 12, 15, ±5, ±9, ±12, ±15	1.6, 2, 4 or 6 kVDC / 1 sec.	DIP24 SMD	32.0 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“) 32.0 x 19.9 x 11,2 mm (1.3“ x 0.8“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +75°C SMD package (/SMD) or metal case (/M) tape & reel packaging (-R)
REC5A	5	4.5-9, 18-36	5	2 kVDC / 1 sec.	DIP24	31.8 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“)	UL60950-1 EN/IEC/62368-1 EN55022	Operating temperature range: -40°C to +100°C no minimum load required UVLO option **cost efficient**

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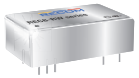
Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
REM5E	5	5, 12, 24, 48	5, 9, 12, 15, 24 ±5, ±9, ±12, ±15	8 or 10 kVDC / 1 sec.	DIP 24 SMD	31.8 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“) 31.8 x 20.3 x 11.2 mm (1.3“ x 0.8“ x 0.4“)	EN/IEC/UL60601-1 IEC60601-1-2	2MOPP, 250VAC working voltage isolation clearance and creepage distance >8mm up to 10kVDC reinforced insulation, 2:1 wide input operating temperature range: -40°C to +85°C no derating
REC6A	6	4.5-9, 18-36	5	2 kVDC / 1 sec.	DIP24	31.8 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“)	UL60950-1 EN62368-1 EN55022	Operating temperature range: -40°C to +100°C no minimum load required UVLO option **cost efficient**
REC6/R	6	4.5-9, 9-18, 18-36, 36-75	5, 9, 12, 15, 24, ±5, ±9, ±12, ±15	8 or 10 kVDC / 1 sec.	DIP24	32.0 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“)	UL60950-1 EN/IEC/UL60601-1	Medical approved reinforced isolation (/R8 & /R10) operating temperature range: -40°C to +75°C
REM6	6	4.5-9, 9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, 24, ±5, ±12, ±15	5 kVAC / 1 min.	DIP24	31.8 x 20.3 x 10.4 mm (1.3“ x 0.8“ x 0.4“)	ES/IEC60601-1 EN55011 EN60601-1,-2	Medical approved, 2MOPP for patient safety reinforced isolation for 250VAC working voltage CF rated outputs, 5000m altitudes operating temperature range: -40°C to +100°C
REM6E	6	12, 24, 48	9, 12, 15, 24 ±9, ±12, ±15	8 or 10 kVDC / 1 sec. 6 kVDC / 1 sec. (SMD)	DIP24 SMD	31.8 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“) 31.8 x 20.3 x 10.9 mm (1.3“ x 0.8“ x 0.43“)	EN/IEC/UL60601-1 IEC60601-1-2 EN55032	2MOPP, 250VAC working voltage isolation clearance and creepage distance >8mm up to 10kVDC reinforced insulation, 2:1 wide input operating temperature range: -40°C to +75°C no derating
RS6	6	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min. 2 kVDC / 1 sec.	SIP8	21.8 x 9.2 x 11.1 mm (0.9“ x 0.4“ x 0.4“)	EN60950-1 EN/IEC62368-1 EN55022 EN55024	Very high power density operating temperature range -40°C to +75°C
REC7.5-RW	7.5	9-18, 18-36, 36-72	3.3, 5, 9, 12, 15, ±5, ±9, ±12, ±15	1, 2 or 3 kVDC / 1 sec.	DIP24 SMD	32.0 x 20.3 x 10.5 mm (1.3“ x 0.8“ x 0.4“) 32.0 x 19.9 x 11.2 mm (1.3“ x 0.8“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +71°C SMD package (/SMD) available tape & reel packaging (-R)
 REC8-R(W)	8	4.5-9, 9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, ±5, ±12, ±15	2 or 3 kVDC / 1 sec.	DIP24 SMD	32.0 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“) 32.0 x 19.9 x 11.2 mm (1.3“ x 0.8“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +85°C SMD package (/SMD) available tape & reel packaging (-R) 4:1 input voltage available (Z)

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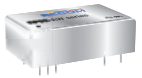
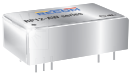
Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
 RP08-A(W)	8	9-18, 9-36, 18-36, 18-75, 36-75, 43-160	3.3, 5, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min.	DIP24 SMD	31.8 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“) 32.0 x 20.3 x 11.2 mm (1.3“ x 0.8“ x 0.4“)	EN/IEC/UL60950-1 EN50155	Operating temperature range: -40°C to +85°C RP08-AW designed for railway applications 4:1 input voltage available (W)
REC10/M	10	9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, ±5, ±12, ±15	2 or 3 kVDC / 1 sec.	2“ x 1“	50.8 x 25.4 x 10.2 mm (2.0“ x 1.0“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +81°C 2:1 or 4:1 input voltage available high isolation
REC10-RW(Z)	10	9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, ±5, ±12, ±15	2 or 3 kVDC / 1 sec.	DIP24 SMD	32.0 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“) 32.0 x 19.9 x 11.2 mm (1.3“ x 0.8“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +81°C SMD package (/SMD) available 2:1 and 4:1 input voltage available (Z), high isolation
REM10	10	4.5-9, 9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, 24, ±5, ±12, ±15	5 kVAC / 1 min.	DIP24	31.8 x 20.3 x 10.4 mm (1.3“ x 0.8“ x 0.4“)	EN/IEC60601-1 EN55011 EN60601-1,-2	Medical approved, 2MOPP for patient safety reinforced isolation for 250VAC working voltage CF rated outputs, 5000m altitudes operating temperature range: -40°C to +100°C
RP10-A(W)	10	9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, 24, ±5, ±12, ±15	1.6 kVDC / 1 min.	1“ x 1“	25.4 x 25.4 x 9.9 mm (1.0“ x 1.0“ x 0.4“)	UL60950-1	Operating temperature range: -40°C to +78°C optional heatsink with clamps (-HC) 4:1 input voltage available (W)
RP10-E(W)	10	9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min.	2“ x 1“	50.8 x 25.4 x 10.2 mm (2.0“ x 1.0“ x 0.4“)	UL60950-1	Operating temperature range: -40°C to +78°C optional heatsink with clamps (-HC) 4:1 input voltage available (W)
new RS12-Z	12	9-36, 18-75	3.3, 5, 12, 15, 24	3 kVDC / 1 min.	SIP8	21.8 x 9.6 x 12.1 mm (0.9” x 0.4” x 0.5”)	UL/IEC/EN62368-1	Very high power density operating temperature range: -40°C to +75°C 4:1 input voltage
 RP12-A(W)	12	9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5.1, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min.	DIP24 SMD	31.8 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“) 32.0 x 20.3 x 11.2 mm (1.3“ x 0.8“ x 0.4“)	UL60950-1	Operating temperature range: -40°C to +105°C 4:1 input voltage available (W)

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Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
RP12-AR	12	36-160	3.3, 5, 12, 15, 24, ±12, ±15, ±24	3 kVDC / 1 min.	1“ x 1“	25.4 x 25.4 x 9.9 mm (1.0“ x 1.0“ x 0.4“)	IEC/EN60950-1 EN550155 EN55032	Operating temperature range: -40°C to +100°C efficiency up to 90% compact 1”x1” case size
REC15E-Z	15	9-36, 18-75	3.3, 5, 12, 15, 24, ±12, ±15	2 kVDC / 1 sec.	1” x 1”	25.4 x 25.4 x 10 mm (1.0” x 1.0” x 0.4”)	EN/IEC/UL62368-1 EN55032	4:1 wide input voltage range, compact size 1” x 1” package, Efficiency up to 90% operating temperature range: -40°C to + 75°C no derating, continuous short circuit protection
REC15/M(Z)	15	9-18, 9-36, 18-36, 18-75, 36-75	3.4, 5.1, 12, 15, ±5, ±12, ±15	2 or 3 kVDC / 1 sec.	2“ x 1“	50.8 x 25.4 x 10.2 mm (2.0“ x 1.0“ x 0.4“)	EN/IEC/UL60950-1 EN/IEC60601-1	Operating temperature range: -40°C to +71°C 2:1 and 4:1 input voltage available (Z), without CTRL pin (/X2)
REM15-W	15	9-36, 18-75	5, 12, 15, 24 ±5, ±12, ±15	5 kVAC / 1 min.	1.6” x 1”	40.6 x 25.4 x 10.2 mm (1.6” x 1.0” x 0.4”)	IEC/UL60950-1 UL62368-1 EN55011 IEC/ES60601-1	Reinforced insulation for 250VAC working voltage, clearance and creepage distance > 8mm 5kVAC I/P to 0/P 2MOPP isolation 4:1 wide input range
RP15-A(W)	15	9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min.	1“ x 1“	25.4 x 25.4 x 9.9 mm (1.0“ x 1.0“ x 0.4“)	UL60950-1	Operating temperature range: -40°C to +105°C optional heatsink with clamps (-HC) 4:1 input voltage available (W)
RP15-F(W)	15	9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min.	2“ x 1“	50.8 x 25.4 x 10.2 mm (2.0“ x 1.0“ x 0.4“)	UL60950-1	Operating temperature range: -40°C to +105°C optional heatsink with clamps (-HC) 4:1 input voltage available (W)
RP15-0F(W)	15	9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15	2.25 kVDC / 1 min.	SMD	27.9 x 23.9 x 8.5 mm (1.1“ x 0.9“ x 0.3“)	UL60950-1	Ultraminiature open frame SMD operating temperature range: -40°C to +105°C 4:1 input voltage available (W)
RPM(D)	15-60	9.5-18, 9.5-36, 10-40, 18-36, 18-75, 36-75	3.3, 5, 12, 15, ±5, ±12, ±15 5/±12, 5/±15	1.6 kVDC / 1 min.		101.6 x 57.2 x 19.0 mm (4.0“ x 2.3“ x 0.7“) 24.5 x 57.6 x 125.0 mm (D) (1.0“ x 2.3“ x 4.9“)	EN/IEC60950-1 EN55022	Reverse polarity protected, soft start panel mount/bulkhead version RPM DIN-Rail version RPMD, screw terminals CE and EAC marked

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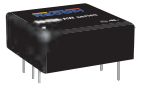
Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
REC20 (Z)	20	9-18, 9-36, 18-36, 18-75, 36-75	3.4, 5.1, 12, 15 ±5, ±12, ±15	1.6 kVDC / 1 min.	2“ x 1“	50.8 x 25.4 x 10.2 mm (2.0“ x 1.0“ x 0.4“) 50.8 x 25.4 x 10.5 mm (Z) (2.0“ x 1.0“ x 0.4“)	EN/IEC/UL60950-1 EN55022	Operating temperature range: -40°C to +100°C continuous short circuit protection 4:1 input voltage available (Z) full load up to +80°C with natural convection
REM20-W	20	9-36, 18-75,	5, 12, 15, 24 ±5, ±12, ±15	5 kVAC / 1 min.	1.6” x 1”	40.6 x 25.4 x 10.2 mm (1.6” x 1.0” x 0.4”)	IEC/UL60950-1 UL62368-1 EN55011 IEC/ES60601-1	Reinforced insulation for 250VAC working voltage, clearance and creepage distance > 8mm 5kVAC I/P to O/P 2MOPP isolation 4:1 input voltage available
RSP20-168	20	40-160	168VDC Clamping Voltage	-	DIP24	31.8 x 20.3 x 10.2 mm (1.3“ x 0.8“ x 0.4“)	UK BRB/RIA12 NF F 01-510	Output follows input up to the clamp voltage operating temperature range: -40°C to +95°C
RP20-A(W)	20	9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, ±12, ±15	1.6 kVDC / 1 min.	1“ x 1“	25.4 x 25.4 x 9.9 mm (1.0“ x 1.0“ x 0.4“)	UL60950-1	Operating temperature range: -40°C to +102°C optional heatsink with clamps (-HC) 4:1 input voltage available (W)
RP20-F(W)	20	9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, ±12, ±15	1.6 kVDC / 1 min.	2“ x 1“	50.8 x 25.4 x 10.2 mm (2.0“ x 1.0“ x 0.4“)	UL60950-1	Operating temperature range: -40°C to +105°C optional heatsink with clamps (-HC) 4:1 input voltage available (W)
RP20-FR	20	9-36, 18-75 43-160	3.3, 5, 12, 15, ±12, ±15	2.25 kVDC / 1 min.	2“ x 1“	50.8 x 25.4 x 10.2 mm (2.0“ x 1.0“ x 0.4“)	UL60950-1 EN50155 EN55011 EN55022	Designed for railway applications, operating temperature range: -40°C to +79°C, up to +85°C (-HC) with natural convection, optional heatsink with clamps (-HC), CE and EAC marked
 RPA20-AW	20	9-36	3.3, 5, 12, 15, ±12, ±15	1.6 kVDC / 1 min.	1“ x 1“	25.4 x 25.4 x 10.2 mm (1.0“ x 1.0“ x 0.4“)	EN/IEC/UL60950-1 EN50155 EN55022	Designed for low cost industrial applications operating temperature range: -40°C to +85°C optional glued heatsink (-HC)
REC30 (Z)	30	9-18, 9-36, 18-36, 18-75, 36-75	3.4, 5.1, 12, 15 ±12, ±15	1.6 kVDC / 1 min.	2” x 1.6“	50.8 x 40.6 x 10.2 mm (2.0“ x 1.6“ x 0.4“)	EN/IEC/UL60950-1 EN55022	Operating temperature range: -40°C to +85°C continuous short circuit protection 4:1 input voltage available (-Z)

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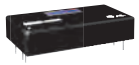
- Optional heatsinks available
- Low cost series available
- Custom design available
- RoHS compliant
- REACH compliant
- Warranty up to 5 years
- EAC marked
- (-R) – tape & reel packaging
- (/P) – short circuit protection
- (Z), (W) – wide input range
- (-HC) – heatsink available
- (/SMD) – surface mount device
- (/M) – metal case

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
 REM30-W	30	9-36, 18-75	5, 12, 15, 24 ±5, ±12, ±15	5 kVAC / 1 min.	2“ x 1“	50.8 x 25.4 x 10.2 mm (2.0“ x 1.0“ x 0.4“)	EN/IEC/UL60950-1 UL62368-1 EN55011 IEC/ES60601-1	Reinforced insulation for 250VAC working voltage, clearance and creepage distance > 8mm, 5kVAC I/P to O/P 2MOPP isolation, Industry standard pinout, 4:1 input voltage available
RP30-E(W)	30	9-18, 10-40, 18-36, 18-75, 36-75	3.3, 5, 12, 15, ±12, ±15	1.6 kVDC / 1 min.	2” x 1.6“	50.8 x 40.6 x 10.2 mm (2.0“ x 1.6“ x 0.4“)	UL60950-1	Operating temperature range: -40°C to +100°C optional heatsink with clamps (-HC) 4:1 input voltage available (W)
RP30-F(W)	30	9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, ±5, ±12, ±15	1.6 kVDC / 1 min.	2“ x 1“	50.8 x 25.4 x 10.2 mm (2.0“ x 1.0“ x 0.4“)	UL60950-1	Operating temperature range: -40°C to +101°C optional heatsink with clamps (-HC) 4:1 input voltage available (W)
RPA30-AW	30	9-36	3.3, 5, 12, 15, ±12, ±15	1.6 kVDC / 1 min.	1“ x 1“	25.4 x 25.4 x 10.2 mm (1.0“ x 1.0“ x 0.4“)	EN/IEC/UL60950-1 EN50155 EN55022	Designed for railway and industrial applications, operating temperature range: -40°C to +77°C optional glued heatsink (-HC)
RP40-FR	40	9-36, 18-75, 43-160	3.3, 5, 12, 15, 24, ±12, ±15, ±24	1.6 or 3 kVDC / 1 min.	2“ x 1“	50.8 x 25.4 x 10.2 mm (2.0“ x 1.0“ x 0.4“)	UL60950-1 EN50155 EN50121-3-2 EN55022	Designed for railway applications operating temperature range: -40°C to +105°C optional heatsink with clamps (-HC) CE and EAC marked
RP40-G(W)	40	9-18, 9-36, 18-36, 18-75, 36-75	3.3, 5, 12, 15, ±12, ±15 5/±12, 5/±15	1.6 kVDC / 1 min.	2“ x 2“	50.8 x 50.8 x 10.2 mm (2.0“ x 2.0“ x 0.4“)	UL60950-1	Operating temperature range: -40°C to +100°C optional heatsink with clamps (-HC) 4:1 input voltage available (W) available as power module RPM40-G(W)
RP40Q-RUW	40	16-160	5, 12, 15, 24, 48	3 kVAC / 1 min.	1/4 brick	57.9 x 36.8 x 12.7 mm (2.3“ x 1.4“ x 0.5“)	EN50155	12:1 ultra-wide input voltage range operating temperature range: -40°C to +105°C optional heatsink (-HC) CE marked
RPA50S-W	50	18-75	3.3, 5, 12	2.25 kVDC / 1 min.	1/16 brick	33.0 x 22.8 x 9.5 mm (1.3“ x 0.9“ x 0.4“)	EN/IEC/UL60950-1 EN55032	Low cost remote on/off and trim pins efficiency up to 91%

This Selection Guide represents only the latest, most popular products of our portfolio. Please check www.recom-power.com for additional products.

DC/DC CONVERTERS

REGULATED

- 0.5 to 240 Watts
- Isolation voltages up to 10 kVDC
- Short circuit protection
- Optional heatsinks available
- Low cost series available
- Custom design available
- RoHS compliant
- REACH compliant
- Warranty up to 5 years
- EAC marked
- (-R) – tape & reel packaging
- (/P) – short circuit protection
- (Z), (W) – wide input range
- (-HC) – heatsink available
- (/SMD) – surface mount device
- (/M) – metal case

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
RP60-G	60	18-36, 36-75	3.3, 5, 12, 15	1.6 kVDC / 1 min.	2“ x 2“	50.8 x 50.8 x 10.2 mm (2.0“ x 2.0“ x 0.4“)	UL60950-1	Operating temperature range: -40°C to +110°C optional heatsink with clamps (-HC) available as power module RPM60-G
RP60Q-RUW	60	16-160	5, 12, 15, 24, 48	3 kVAC / 1 min.	1/4 brick	57.9 x 36.8 x 12.7 mm (2.3“ x 1.4“ x 0.5“)	EN50155	12:1 ultra-wide input voltage range operating temperature range: -40°C to +105°C optional heatsink (-HC) CE marked
RPA60-FW	60	9-36	5, 12, 15, 24	1.5 kVDC / 1 min.	2“ x 1“	50.8 x 25.4 x 10.2 mm (2.0“ x 1.0“ x 0.4“)	EN/IEC/UL60950-1 EN50155 EN55022	Designed for railway and industrial applications operating temperature range: -40°C to +85°C optional glued heatsink (-HC)
RP75H-RW	75	9-36, 18-75, 43-160	5, 12, 15, 24, 48	2.25 kVDC / 1 min. 3 kVAC / 1 min.	1/2 brick	61.0 x 57.9 x 12.7 mm (2.4“ x 2.3“ x 0.5“)	EN/IEC/UL60950-1 EN50155 EN55011 EN55022	Designed for railway and industrial applications operating temperature range: -40°C to +85°C 3 kVAC reinforced isolation for 110VDC optional heatsink (-HC), CE and EAC marked
RP90Q-RW	90	9-36, 16.5-75, 40-160	5, 12, 15, 24, 48	2.25 kVDC / 1 min. 3 kVAC / 1 min.	1/4 brick	57.9 x 36.8 x 12.7 mm (2.3“ x 1.4“ x 0.5“)	EN/IEC60950-1 EN50155 EN55011 EN55022	Designed for railway and industrial applications, operating temperature range: -40°C to +85°C, 3 kVAC reinforced isolation for 110VDC, optional heatsink (-HC), CE and EAC marked
RP100H-RW	100	9-36, 16.5-75, 43-160	5, 12, 15, 24, 48	2.25 kVDC / 1 min. 3 kVAC / 1 min.	1/2 brick	61.0 x 57.9 x 12.7 mm (2.4“ x 2.3“ x 0.5“)	EN/IEC/UL60950-1 EN50155 EN55011 EN55022	Designed for railway and industrial applications operating temperature range: -40°C to +85°C 3 kVAC reinforced isolation for 110VDC optional heatsink (-HC), CE and EAC marked
RPA100H-RUW	100	16.5-140	12, 15, 24, 48	4.242 kVDC / 1 min.	1/2 brick	60.6 x 63.1 x 13.0 mm (2.4“ x 2.5“ x 0.5“)	EN/IEC/UL60950-1 EN50155	Designed for railway and industrial applications operating temperature range: -40°C to +97°C 3 kVAC reinforced isolation 10:1 ultra wide input range, CE and EAC marked
RP120Q-RW	120	9-36, 16.5-75, 40-160	5, 12, 15, 24, 48	2.25 kVDC / 1 min. 3 kVAC / 1 min.	1/4 brick	57.9 x 36.8 x 12.7 mm (2.3“ x 1.4“ x 0.5“)	EN/IEC60950-1 EN50155 EN55011 EN55022	Designed for railway and industrial applications operating temperature range: -40°C to +85°C 3 kVAC reinforced isolation for 110VDC optional heatsink (-HC), CE and EAC marked

DC/DC CONVERTERS

REGULATED

- 0.5 to 240 Watts
- Isolation voltages up to 10 kVDC
- Short circuit protection
- Optional heatsinks available
- Low cost series available
- Custom design available
- RoHS compliant
- REACH compliant
- Warranty up to 5 years
- EAC marked
- (-R) – tape & reel packaging
- (/P) – short circuit protection
- (Z), (W) – wide input range
- (-HC) – heatsink available
- (/SMD) – surface mount device
- (/M) – metal case

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
RSP150-168	150	40-160	168VDC Clamping Voltage	-	1.6“ x 1“	40.6 x 25.4 x 10.2 mm (1.6“ x 1.0“ x 0.4“)	UK BRB/RIA12 NF F 01-510	Output follows input up to the clamp voltage operating temperature range: -40°C to +95°C
RP180H-RW	140-180	9-36, 16.5-75, 43-160	5, 12, 15, 24, 48	2.25 kVDC / 1 min. 3 kVAC / 1 min.	1/2 brick	61.0 x 57.9 x 12.7 mm (2.4“ x 2.3“ x 0.5“)	EN/IEC/UL60950-1 EN50155 EN55011 EN55022	Designed for railway and industrial applications operating temperature range: -40°C to +85°C, 3 kVAC reinforced isolation for 110VDC optional heatsink (-HC), CE and EAC marked
RPA200H-RUW	200	16.5-140	12, 15, 24, 48	4.242 kVDC / 1 min.	1/2 brick	60.6 x 63.1 x 13.0mm (2.4“ x 2.5“ x 0.5“)	EN/IEC/UL60950-1 EN50155	Designed for railway and industrial applications operating temperature range: -40°C to +93.5°C 3 kVAC reinforced isolation 10:1 ultra wide input range, CE and EAC marked
RP240H-RW	180-240	9-36, 16.5-75, 43-160	5, 12, 15, 24, 48	2.25 kVDC / 1 min. 3 kVAC / 1 min.	1/2 brick	61.0 x 57.9 x 12.7 mm (2.4“ x 2.3“ x 0.5“)	EN/IEC/UL60950-1 EN50155 EN55011 EN55022	Designed for railway and industrial applications operating temperature range: -40°C to +85°C 3 kVAC reinforced isolation for 110VDC optional heatsink (-HC), CE and EAC marked
RSP300-168	300	40-160	168VDC Clamping Voltage	-	1.6“ x 1“	40.6 x 25.4 x 10.2 mm (1.6“ x 1.0“ x 0.4“)	UK BRB/RIA12 NF F 01-510	Output follows input up to the clamp voltage operating temperature range: -40°C to +95°C

This Selection Guide represents only the latest, most popular products of our portfolio. Please check www.recom-power.com for additional products.

DC/DC CONVERTERS

IGBT / SiC MOSFET / GaN

- Designed for IGBT/SiC/GaN drivers
- Up to 2 Watts
- Isolation voltages up to 6.4 kVDC
- Alternate pinout and package styles
- Asymmetric output
- High efficiency
- High isolation
- (/P) short circuit protection
- RoHS compliant
- REACH compliant
- Safety certified
- 3 year warranty

Series	Power (W)	Vin (VDC)	Vout (VDC)	Isolation	Case / Dimensions (LxWxH)		Certifications	Other features
RH-xx1509D	1	5, 12, 24	+15/-9	3 or 4 kVDC / 1 sec.	SIP7	19.65 x 7.05 x 10.2 mm (0.8“ x 0.3“ x 0.4“)	IEC/EN60950-1	Asymmetrical outputs designed for isolated IGBT drivers operating temperature range: -40°C to +90°C continuous short circuit protection (/P)
RP-xx1509D RP-xx06S	1	5, 12, 24 5, 12, 15, 24	+15/-9 6	5.2 kVDC / 1 sec.	SIP7	19.65 x 7.05 x 10.2 mm (0.8“ x 0.3“ x 0.4“)	EN/IEC/UL60950-1	Designed for isolated IGBT or GaN drivers operating temperature range: -40°C to +85°C RP-xx06S series medical approved
RxxP1509D RxxP06S	1	5, 12, 24 5, 12, 15, 24	+15/-9 6	6.4 kVDC / 1 sec.	SIP7	19.5 x 9.8 x 12.5 mm (0.8“ x 0.4“ x 0.5“)	EN/IEC60950-1 EN/IEC/UL62368-1	Designed for isolated IGBT or GaN drivers operating temperature range: -40°C to +90°C continuous short circuit protection (/P)
RGZ-xx1509D	2	5, 12, 24	+15/-9	3 or 4 kVDC / 1 sec.	DIP14	19.9 x 10.0 x 7.1 mm (0.8“ x 0.4“ x 0.3“)	EN60950-1	Asymmetrical outputs designed for isolated IGBT drivers operating temperature range: -40°C to +90°C continuous short circuit protection (/P)
RKZ-xx1509D RKZ-xx2005D	2	5, 12, 24 5, 12, 15, 24	+15/-9 +20/-5	3 or 4 kVDC / 1 sec.	SIP7	19.65 x 7.05 x 10.2 mm (0.8“ x 0.3“ x 0.4“)	EN/IEC/UL60950-1 EN55022	Asymmetrical outputs designed for isolated IGBT/SiC drivers operating temperature range: -40°C to +100°C continuous short circuit protection (/P)
RV-xx1509D	2	5, 12, 24	+15/-9	6 kVDC / 1 sec.	DIP24	32.35 x 14.7 x 11.1 mm (1.3“ x 0.6“ x 0.4“)	EN60950-1	Asymmetrical outputs designed for isolated IGBT drivers operating temperature range: -40°C to +90°C
RxxP21503D RxxP21509D RxxP22005D RxxP209S	2	12, 15, 24 5, 12, 24 5, 12, 15, 24 5, 12, 15, 24	+15/-3 +15/-9 +20/-5 9	6.4 kVDC / 1 sec.	SIP7	19.5 x 9.8 x 12.5 mm (0.8“ x 0.4“ x 0.5“)	EN/IEC/UL60950-1 EN55022	Asymmetrical outputs designed for isolated IGBT/SiC drivers operating temperature range: -40°C to +95°C continuous short circuit protection (/P)

ACCESSORIES FOR DC/DC CONVERTERS

- SMD wirewound power inductor suitable for EMC filtering
- Reflow solderable with J-STD-020C standard profile (250°C ±5°C peak)

Series	Description	Suitable for	Other features
RLS-397	saturation current: 2.1A, Inductance: 3.9µH	RI3, RS, RSO, R1Z, RS3, R-78xx-1.0, R-78xx-0.5, R-78Exx-0.5, R-78AAxx-0.5, R-78Bxx-1.5, R-78Bxx-1.0L	Tested and proved in RECOM filter design RoHS compliant SMD
RLS-567	saturation current: 1.9A, Inductance: 5.6µH	RK/H6, RI3, RS, RS3, RW2, R-78xx-1.0, R-78xx-0.5, R-78AAxx-0.5, R-78Cxx-1.0, R-78Bxx-1.5.	Tested and proved in RECOM filter design RoHS compliant SMD
RLS-126	saturation current: 1.4A, Inductance: 12µH	R1S, R2S, R1SE, RH/H6, RKZ, RS, RSO, REC5, R1Z, R-78Exx-1.0, R-78Exx-0.5, R-78Cxx-1.0, R-78Bxx-1.5.	Tested and proved in RECOM filter design RoHS compliant SMD
RLS-186	saturation current: 2.14A, Inductance: 18µH	REC5	Tested and proved in RECOM filter design RoHS compliant SMD
RLS-226	saturation current: 1.0A, Inductance: 22µH	RO, RM, ROM, RK, RB, RP, RE, ROE, RK/H6, RH/H6, RxxPxx, RKZ, REC5, RW2	Tested and proved in RECOM filter design RoHS compliant SMD
RLS-686	saturation current: 1.05A, Inductance: 68µH	R-78Exx-1.0	Tested and proved in RECOM filter design RoHS compliant SMD
RLS-105	saturation current: 1.1A, Inductance: 100µH	REC5	Tested and proved in RECOM filter design RoHS compliant SMD

EVALUATION MODULES

EVALUATION MODULES / REFERENCE DESIGNS / BREAKOUT BOARDS

Series	Description	Suitable for	Other features
R-78S3.3-0.1-EVM-1	The R-78S3.3-0.1-EVM-1 Evaluation Module generates 3.3V from a single AA battery or from an external source. By using the external input source, any voltage source (other types of batteries, energy harvesters, etc.) in the range from 0.65V to 3.15V can be used. The evaluation module contains a AA battery holder, power switch, R-78S3.3-0.1 boost converter and a micro-USB connector. Jumper headers are provided to allow various test measurements to be made.	R-78S3.3-0.1	Input and output power measurement capability micro-USB type B or 0.1" (2.54mm) pin output input voltage range down to 0.65V efficiency 93%, >80% at 10% load
R-78S3.3-0.1-EVM-1/STM-1	The R-78S3.3-0.1-EVM-1/STM-1 is a breakout board developed to be used with an ST Microelectronics STEVAL STLCS01V1 SensorTile module and the R-78S3.3-0.1-EVM-1 evaluation module to demonstrate IoT applications using the SensorTile module. Functions of the SensorTile module include MEMS digital microphone, 3D accelerometer and gyroscope, 3D magnetometer, MEMS atmospheric pressure sensor and ambient temperature.	R-78S3.3-0.1	Accessory for the R-78S3.3-0.1-EVM-1 mates with STLCS01V1
R-78S3.3-0.1-EVM-1/SBL-1	The R-78S3.3-0.1-EVM-1/SBL-1 is a breakout board developed to be used with a SensiBLE v1.0 module from SensiEDGE and the R-78S3.3-0.1-EVM-1 evaluation module to demonstrate IoT applications using the SensiBLE v1.0 module. Functions of the SensiBLE v1.0 module include 3-axis accelerometer, 3-axis magnetometer, 3-axis digital gyroscope, pressure, microphone, relative humidity, ambient light and temperature sensors.	R-78S3.3-0.1	Accessory for the R-78S3.3-0.1-EVM-1 mates with SensiBLE v1.0
RBB10-2.0-EVM-1	The RBB10-2.0-EVM-1 is an evaluation board for the RBB10-2.0. The Input can be lower, higher or the same as the output. The buck-boost modules are pre-set to 5V output, but can be trimmed over a 1 to 5.5V range. Up to 4A output.	RBB10-2.0	2.3-5.5V input voltage (buck/boost). up to 96% efficiency, class B EMC filter, thermally enhanced PCB design, output sense, mode and PG connectors
R-REF01-HB	The R-REF01-HB reference design consists of a half-bridge layout with a fully isolated driver stage using isolated power supplies for both the low-side and the high-side switching transistors. Included in the package are four sets of different DC/DC converters which generate the appropriate isolated driver voltages for the different transistor types.	R12P22005D R12P21503D R12P21509D R12P06S	Half-bridge voltage up to 1kV TTL-compatible signal input shoot-through protection separate input for low and high-side switch
R-REF02-78S	The R-REF02-78S generates 3.3V from a single AA battery and can directly be used in any application. The reference design contains an AA battery holder and an R-78S3.3-0.1 boost converter. Two jumper headers J1 and J2 ensure connectivity to the output voltage and the CTRL pin of the R-78S converter.	R-78S3.3-0.1	3.3V from a single AA battery (boost converter) efficiency 93% , >80% at 10% load Input range down to 0.65V 0.100" (2.54mm) pin output
R-REF03-CAN1	The R-REF03-CAN1 Reference Board demonstates the ISO1042 isolated CAN transceiver supplied by the R1SX-3.305/H isolated DC/DC converter. To supply the reference board only one 3.3V external supply is required. The green LED indicates the presence of the VCC2 supply on the secondary (CAN bus) side. The reference board allows designers to quickly develop and analyze isolated systems.	R1SX-3.305/H	Complete isolated solution for CAN bus, contains galvanically-isolated CAN transceiver IS1042, up to 5Mbit data rate in CAN FD mode, input and output test points, Meets ISO11898-2 (2016)
R-REF04-RIA12-1	The R-REF04-RIA12-1 reference design consists of a high current (40A) PCB layout for 24V/48V operation complete with input and output connectors, RIA12 surge voltage limiter, EMC filter, Hold-up capacitors, fan output and isolated remote enable. The universal PCB accepts 2"x1", quarter-brick and half-brick DC/DC converters from 60W up to 240W (not supplied).	RPA60-24xxxSFQ RP75H-24(48)xxSRW, RP90Q-24(48)xxSRW, RP100H-24(48)xxSRW, RP120Q-24(48)xxSRW, RP180H-24(48)xxSRW, RP240H-24(48)xxSRW,	3 different filter component footprints for EMC filter optimization. Connectors for external hold-up capacitor bank.

EVALUATION MODULES

EVALUATION MODULES / REFERENCE DESIGNS / BREAKOUT BOARDS

Series	Description	Suitable for	Other features
R-REF04-RIA 12-2	The R-REF04-RIA12-2 reference design consists of a high voltage PCB layout for 96V/110V operation complete with input and output connectors, RIA12 surge voltage limiter, EMC filter, Hold-up capacitor, fan output and isolated remote enable. The universal PCB accepts 2"x1", quarter-brick and half-brick DC/DC converters from 60W up to 240W (not supplied).	RP75H-110xxSRW RP90Q-110xxSRW RP100H-110xxSRW RP120Q-110xxSRW RPA120H-110xxSRW RP180H-110xxSRW RP240H-110xxSRW	3 different filter component footsprints for EMC filter optimization. Connectors for external hold-up capacitor bank.
RPMxx-1.0-EVM-1 /2.0-EVM-1 /3.0-EVM-1 /6.0-EVM-1	The RPMx3.3-xx-EVM-1 and RPM5.0-xx-EVM-1 are evaluation boards for the RPM3.3-xx and RPM5.0-xx power modules respectively. The fitted power modules are pre-set to 3.3V or 5V output, but both can be trimmed over a 0.9V to 6.0V range. The continuous output current can be 1, 2, 3 or 6A.	RPM3.3-1.0, RPM5.0-1.0 RPM3.3-2.0, RPM5.0-2.0 RPM3.3-3.0, RPM5.0-3.0 RPM3.3-6.0, RPM5.0-6.0	3-17V input voltage (buck). Up to 99% efficiency, On board Class B EMC filter, Thermally enhanced PCB design, Output Sense, PG and SEQ connectors.
new RPMB-2.0-EVM-1	The RPMB-2.0-EVM-1 generates a constant output voltage with an output current up to 2.0A from an external DC source. Functions of the RPMB-2.0 such as trimming, control, and sensing can be evaluated. Also the behavior in overload or over temperature can be evaluated easily before design-in.	RPMB3.3-2.0 RPMB5.0-2.0 RPMB12-2.0 RPMB15-2.0	Thermal design considerations included EMI class B filter easy evaluation of control, power good and sensing functions
new RPMB-3.0-EVM-1	The RPMB-3.0-EVM-1 generates a constant output voltage with an output current up to 3.0A from an external DC source. Functions of the RPMB-3.0 such as trimming, control, and sensing can be evaluated. Also the behavior in overload or over temperature can be evaluated easily before it design-in.	RPMB3.3-3.0 RPMB5.0-3.0 RPMB12-3.0 RPMB15-3.0	Thermal design considerations included EMI class B filter easy evaluation of control, power good and sensing functions
new RPMH-0.5-EVM-1	The RPMH-0.5-EVM-1 generates a constant output voltage with an output current up to 0.5A from an external DC source. All the functions of the RPMH-0.5 such as trimming, sequencing, control, and sensing can be evaluated. Also the behavior in overload or over temperature can be evaluated easily before design-in.	RPMH3.3-0.5 RPMH5.0-0.5 RPMH12-0.5 RPMH15-0.5 RPMH24-0.5	Thermal design considerations included EMI class B filter easy evaluation of control, power good and sensing functions
new RPX-2.5-EVM-1	The RPX-2.5-EVM-1 generates a constant output voltage selectable from 1.8V, 3.3V or 5V from a DC input in the range of 4.5 – 28V (6V – 28V for the 5V output). It has a maximum continuous output current of 2.5 A period.	RPX-2.5	Thermal design considerations included EMI class B filter easy evaluation of output voltage selection, control and sensing functions

SWITCHING REGULATORS

STEP DOWN

- Ultra high specification
- MTBF up to 21 million hours
- Non-isolated
- High efficiency up to 98%
- Internal SMD construction
- Wide operating temperature range
- No heatsink required
- Optional low cost series
- RoHS compliant
- REACH compliant
- 3 year warranty
- (-R) – tape & reel packaging

Series		Output current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)		Certifications	Other features
	R-78HB-0.5 R-78HB-24-0.3	0.5 (0.3)	9 - 72 (36 - 72)	3.3, 5, 6.5, 9, 12, 15 (24)	SIP3	11.5 x 8.5 x 17.5 mm (0.5“ x 0.3“ x 0.7“)	EN/IEC60950-1 EN55022	Operating temperature range: -40°C to +85°C high input voltage 90° pins (L)
new	R-78HE-0.3	0.3	6.5 - 72	5	SIP3	11.5 x 8.5 x 12.5 mm (0.5” x 0.3” x 0.7”)	EN55032	Wide input range (6.5V - 72V) 100V surge withstand -40°C to +105°C operation at 48V input, full load
new	R-78Q-0.3	0.3	6.5 - 72	5	SIP3	11.5 x 8.5 x 12.5 mm (0.5” x 0.3” x 0.7”)	EN55032	Wide input range (6.5V - 72V), 100V surge withstand -40°C to +105°C operation at 48V input, full load automotive quality
	R-78HB/W	0.5	9-72	5, 12	SIP3	12.1 x 9.7 x 24.0 mm (0.5“ x 0.4“ x 0.9“)	EN/IEC60950-1 EN55022	Operating temperature range: -40°C to +85°C high input voltage flying wires
	R-78(E)-0.5	0.5	4.75 - 32 6 - 28 (E)	1.5, 1.8, 2.5, 3.3(E), 5(E), 6.5, 9(E), 12(E), 15(E)	SIP3	11.5 x 7.6 x 10.2 mm (0.5“ x 0.3“ x 0.4“) 11.6 x 8.5 x 10.4 mm (E) (0.5“ x 0.3“ x 0.4“)	EN/IEC60950-1 EN55022 EN55024	Operating temperature range: -40°C to +85°C very high efficiency low cost series available (R-78E-0.5)
	R-78AA-0.5SMD	0.5	4.75 - 32	1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12, 15	SMD	15.3 x 9.6 x 8.8 mm (0.6“ x 0.4“ x 0.4“)	EN/IEC60950-1 EN55022	Operating temperature range: -40°C to +85°C high efficiency, RoHS 6/6 adjustable output, on/off pin tape & reel packaging (-R)
	R-78W-0.5	0.5	6.5 - 32	3.3, 5, 9, 12	SIP3	11.5 x 8.5 x 17.5 mm (0.5“ x 0.3“ x 0.7“)	EN/IEC60950-1	Operating temperature range: -40°C to +85°C very high efficiency flying wires
	ROF-78E	0.5	5 - 36	3.3, 5	SMD	12.5 x 13.5 x 4.0 mm (0.5“ x 0.5“ x 0.2“)	N/A	Low cost series, low profile operating temperature range: -40°C to +85°C pinless design, on/off pin

SWITCHING REGULATORS

STEP DOWN

- Standard Pinout
- MTBF up to 21 million hours
- Non-isolated
- High efficiency up to 98%
- Internal SMD construction
- Wide operating temperature range
- No heatsink required
- Optional low cost series
- RoHS compliant
- REACH compliant
- 3 year warranty
- (-R) – tape & reel packaging

Series	Output current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)		Certifications	Other features
R-78(E)-1.0	1.0	4.75 - 18 7 - 28 (E)	1.8, 2.5, 3.3(E), 5(E)	SIP3	11.5 x 7.6 x 10.2 mm (0.5“ x 0.3“ x 0.4“) 11.6 x 8.5 x 10.4 mm (E) (0.5“ x 0.3“ x 0.4“)	EN/IEC60950-1 EN55022 EN55024	Operating temperature range: -40°C to +85°C very high efficiency low cost series available (R-78E-1.0)
R-78AA-1.0SMD	1.0	4.75 - 18	1.5, 1.8, 2.5, 3.3, 5	SMD	15.3 x 9.6 x 8.8 mm (0.6“ x 0.4“ x 0.4“)	EN/IEC60950-1 EN55022	Operating temperature range: -40°C to +85°C high efficiency, RoHS 6/6 adjustable output, on/off pin tape & reel packaging (-R)
R-78B-1.0	1.0	4.75 - 32	1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12, 15	SIP3	11.5 x 8.5 x 17.5 mm (0.5“ x 0.3“ x 0.7“)	EN/IEC60950-1 EN55022 EN55024	Operating temperature range: -40°C to +85°C very high efficiency, 90° pins (L)
R-78C-1.0	1.0	5 - 42	1.8, 3.3, 5, 9, 12, 15	SIP3	11.6 x 8.5 x10.4 mm (0.5“ x 0.3“ x 0.4“)	EN/IEC60950-1 EN62301 EN55022	Operating temperature range: -40°C to +85°C very high efficiency, wide input range 1Amps continuously in small package
R-78T-1.0	1.0	7 - 42	3.3, 5, 12	SMD	23.0 x 27.2 x 10.0 mm (/AC or /AL) (0.9“ x 1.1“ x 0.4“) 23.0 x 29.4 x 8.0 mm (/FC) (0.9“ x 1.2“ x 0.3“)	N/A	Operating temperature range: -40°C to +85°C very high efficiency, wide input range tape & reel packaging (-R) tray packaging (-Tray)
R-78B-1.5	1.5	4.75 - 18	1.5, 1.8, 2.5, 3.3, 5, 6.5	SIP3	11.5 x 8.5 x 17.5 mm (0.5“ x 0.3“ x 0.7“)	EN/IEC60950-1 EN55022 EN55024	Operating temperature range: -40°C to +85°C very high efficiency, 90° pins (L)
R-78B-2.0	2	4.75 - 32	1.2, 1.5, 1.8, 2.5, 3.3, 5, 9, 12, 15	SIP3	11.5 x 8.5 x 17.5 mm (0.5“ x 0.3“ x 0.7“)	EN/IEC60950-1 EN55022 EN55024	Operating temperature range: -40°C to +85°C very high efficiency
R-5xxxA	2, 3, 4, 5	4.5 - 18	1.2, 1.8, 2.5, 3.3, 5	SIP12	32.2 x 9.1 x 15.0 mm (1.3“ x 0.4“ x 0.6“)	IEC/EN60950-1	Operating temperature range: -40°C to +85°C auto sense, very high efficiency adjustable output, 90° pins (DA) control pin (on/off)

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SWITCHING REGULATORS

STEP DOWN

- Ultra high specification
- MTBF up to 21 million hours
- Non-isolated
- High efficiency up to 99%
- Internal SMD construction
- Wide operating temperature range
- No heatsink required
- RoHS compliant
- REACH compliant
- 3 year warranty

Series	Output current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)		Certifications	Other features
R-6xxx	1-2	9 - 32	1.8, 2.5, 3.3, 5, 9, 12	SIP12	32.2 x 9.1 x 15.0 mm (1.3“ x 0.4“ x 0.6“)	IEC/EN60950-1	Operating temperature range: -40°C to +85°C very high efficiency adjustable output, 90° pins (D) control pin (on/off)
R-7xxx	2, 3, 4	4.5 - 28	3.3, 5, 6.5, 9, 12, 15	SIP12	32.2 x 9.1 x 15.0 mm (1.3“ x 0.4“ x 0.6“)	IEC/EN60950-1	Operating temperature range: -40°C to +85°C very high efficiency adjustable output, 90° pins (D) control pin (on/off)
RPM-1.0 RPM-2.0 RPM-3.0 RPM-6.0	1, 2, 3, 6	3-17	3.3, 5 trimmable 0.9-6.0V	25-LGA	12.19 x 12.19 x 3.75 mm (0.5“ x 0.5“ x 0.2“)	EN55032	Operating temperature range: -40°C up to +107°C at full load, high efficiency up to 99%
new RPMB-2.0 RPMB-3.0	2, 3	4 - 36	3.3, 5, 12, 15 trimmable 1-24V		12.19 x 12.19 x 3.75 mm (0.5“ x 0.5“ x 0.2“)	EN55032	High power density -40°C to +100°C with derating, convection cooled efficiency up to 94%
new RPMH-0.5	0.5	4.3 - 65	3.3, 5, 12, 15, 24	25-LGA	12.19 x 12.19 x 3.75 mm (0.5“ x 0.5“ x 0.2“)	EN55032	High power density wide operating temperature -40°C to +95°C at full load efficiency up to 89%, no need for heatsinks
new RPX-2.5	2.5	4.5-28	1.2-6	QFN	4.5 x 4.0 x 2.0 mm (0.2” x 0.1” x 0.07”)		28V maximum input voltage 2.5A maximum output current SCP, OCP, OTP, OVP and UVLO protection

SWITCHING REGULATORS

STEP DOWN

- Standard Pinout
- MTBF up to 21 million hours
- Non-isolated
- High efficiency up to 98%
- Internal SMD construction
- Wide operating temperature range
- No heatsink required
- Optional low cost series
- RoHS compliant
- REACH compliant
- 3 year warranty
- (-R) – tape & reel packaging

Series	Output current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)		Certifications	Other features
BOOST							
R-78S-0.1	0.1	0.65 - 3.3	1.8, 3.3, 3.6	SIP4	11.6 x 8.5 x 10.4 mm (0.5“ x 0.3“ x 0.4“)	IEC/EN60950-1 EN55022 EN55024	Designed to power microprocessors and IoT operating temperature range: -40°C to +100°C boost converter to run from single cell batteries
BUCK & BOOST							
RBB10-2.0	2-4	2.3 - 5.5	1 - 5.5		12.19 x 12.19 x 3.75 mm (0.5“ x 0.5“ x 0.2“)	EN55032	Buck/Boost converter (input can be lower, the same or higher than output). 4A maximum output current.
new RBBA3000	50	9 - 60	0 - 60	1/2 brick	60.6 x 63.2 x 13.0 mm (2.4” x 2.5” x 0.5”)	EN55032	Adjustable output voltage and current efficiency up to 96% wide operating temperature range from -40°C to +85°C without derating

SWITCHING REGULATORS

LOW CURRENT

- Designed for 4-20mA loops
- MTBF up to 7.4 million hours
- Non-isolated
- Adjustable output voltage range
- No minimum load required
- Open frame package design
- Wide operating temperature range
- Suitable for indoor solar power
- RoHS compliant
- REACH compliant
- 3 year warranty

Series	Output current (mA)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)		Certifications	Other features
R420-1.8/PL	10	10 - 36	1.8-5.0	SMD	22.7 x 13.2 x 5.1 mm (0.9“ x 0.5“ x 0.2“)	EN60950-1	Operating temperature range: -40°C to +105°C pinless, short circuit protected designed for energy scavenging applications and solar powered circuits

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LED DRIVERS

AC/DC CONSTANT CURRENT

- 3 to 25 Watts available
- Constant current or constant voltage available
- High efficiency
- Super flat packages
- Custom designs available
- Dimmable series available
- RoHS compliant
- REACH compliant
- Warranty up to 3 years

Series	Power (W)	Output Current (mA)	Vin (VAC)	Vout (VDC)	Isolation	Dimensions (LxWxH)	Certifications	Other features
RACD03 (-PSE)	3	350 500 700	90-264 90-132	2.5-15 (3-12) 2.5-11 (3-9.5) 2.5-6 (3-4.5)	3.75 kVAC / 1 min.	52.1 x 29.6 x 23.1 mm (2.1“ x 1.2“ x 0.9“)	UL8750 EN/IEC61347-1/.-2-13 (J61347-1/.-2-13)	IP66, CC/CV wired connections compact size
RACD06	6	350 500 700	90-264	2.5-24 2.5-15 2.5-12	3.75 kVAC / 1 min.	68.0 x 35.0 x 21.0 mm (2.7“ x 1.4“ x 0.8“)	UL8750 EN/IEC/J61347-1/.-2-13 J55015	CC/CV compact size screw terminals
RACD06-LP	6	350 500 700	198-264	2-18 2-12 2-9	3.75 kVAC / 1 min.	98.0 x 46.0 x 11.0 mm (3.9“ x 1.8“ x 0.4“)	EN/IEC61347-1 EN/IEC61347-2-13 EN/IEC62384	Superflat low cost screw terminals
RACD07	7	250 350 500 700	90-295	14-28 10-20 5-14.5 3-10.5	3.75 kVAC / 1 min.	57.0 x 40.8 x 24.0 mm (2.2“ x 1.6“ x 0.9“)	UL8750 EN61347-1 EN61347-2-13 EN61547	IP67 wired connections compact size
RACD12-LP	12	350 500 700	198-264	2-37 2-24 2-19	3.75 kVAC / 1 min.	128.0 x 50.0 x 13.0 mm (5.0“ x 2.0“ x 0.5“)	EN/IEC61347-1 EN/IEC61347-2-13 EN/IEC62384	Superflat, low cost screw terminals fully protected (OLP, SCP, OCP, OTP)
RACD20-LP	20	350 500 700	198-264	2-59 2-40 2-31	3.75 kVAC / 1 min.	128.0 x 50.0 x 13.0 mm (5.0“ x 2.0“ x 0.5“)	EN/IEC61347-1 EN/IEC61347-2-13 EN/IEC62384	Superflat, low cost screw terminals fully protected (OLP, SCP, OCP, OTP)
RACT25	25	500 700 1050	198-264	25-50 18-36 12-24	3.75 kVAC / 1 min.	120.0 x 45.0 x 28.0 mm	EN/IEC61347-1 EN/IEC61347-2-13 EN61547 EN62493 EN55015	dimmable with leading or trailing edge dimmers, class II with SELV output (no earth required)

LED DRIVERS

DC/DC CONSTANT CURRENT

- All-in-one
- Ready to use (no external components necessary for basic use)
- High efficiency up to 96%
- PWM / digital and analogue dimming
- Wide input voltage range
- Buck & buck-boost topology
- Optional flying wires (/W)
- Low emissions (built-in EMC filter)
- Short circuit protected
- Custom designs available
- 5 year warranty

Series	Output Current (A)	Vin (VDC)	Vout (VDC)	Case / Dimensions (LxWxH)		Certifications	Other features
RCD-24 (/W)	0.3-1.2	4.5-36	2-35	DIP	22.1 x 12.55 x 8.5 mm (0.9“ x 0.5“ x 0.3“)	EN/UL60950-1 EN61373 EN50121-3-2	Operating temperature range: -40°C to +85°C wired version available (/W), Vref out (/Vref) IP67 rated for wired version (/W)
RCD-24/PL	0.3-1.0	4.5-36	2-35	SMD	31.0 x 11.4 x 6.6 mm (1.2“ x 0.5“ x 0.3“)	EN/UL60950-1 EN61373 EN50121-3-2 EN55022	Operating temperature range: -40°C to +85°C low profile, Class B filter built-in tape & reel packaging (-R)
RCD-48 (/W)	0.35-1.2	9-60	2-56	DIP	32.6 x 16.7 x 11.1 mm (1.3“ x 0.7“ x 0.4“) 32.6 x 16.0 x 11.2 mm (/M) (1.3“ x 0.7“ x 0.4“)	EN/UL60950-1 EN61373 EN50121-3-2 EN55011	Operating temperature range: -40°C to +80°C wired version with Vref out available (/W) IP67 rated for wired version (/W), metal case (/M)
new RCDE-48	0.35-1.05	6-60	3-52	DIP24	32.1 x 20.6 x 12.3 mm (1.2“ x 0.8“ x 0.5“)	EN55015	Constant current output (350, 700 or 1050mA) digital PWM and analog voltage dimming high efficiency up to 97%. Buck topology
RBD-12 (/W)	0.35-0.5	8-36	2-40	DIP	32.6 x 16.7 x 11.1 mm (1.3“ x 0.7“ x 0.4“)	EN/IEC/UL60950-1	Operating temperature range: -40°C to +75°C wired version with Vref out available (/W) IP67 rated for wired version (/W) buck/boost topology

LED DRIVERS

Accessories

Series	Operating principle	Power (W)	Input Voltage (VAC)	Other features
RELI-DA01/R	DALI-to-PWM/Analogue control signal interface	1.6	90-290	DALI IEC62386, PWM / 0-10V output compatible with all RECOM dimmable drivers spring terminals
RELV4-16	DALI Bus Power Supply	3.2	90-264	Designed to power the DALI bus DALI compliant, screw terminals

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