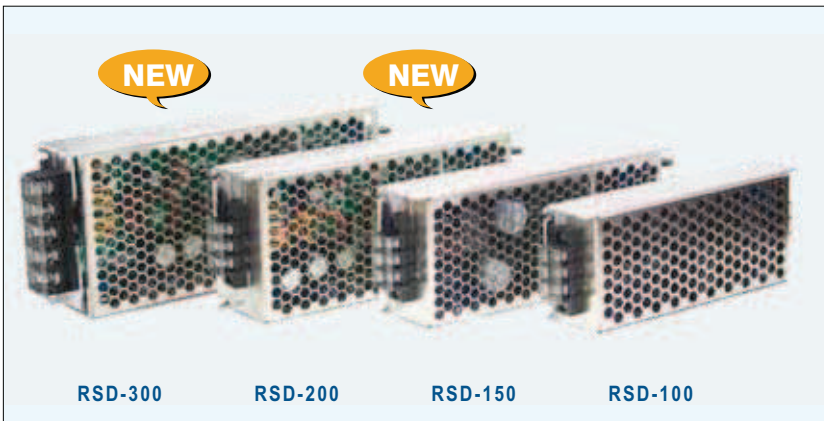


DC/DC Converter 100~300W Railway Single Output



Features

- Compliance to EN50155 railway standard
- 2:1 wide input range
- 4000VDC I/O isolation
- Protections:
 - Short circuit / Overload / Over voltage / Over temperature / Input reverse polarity
- Cooling by free air convection
- Built-in constant current limiting circuit
- 1U low profile
- All using 105°C long life electrolytic capacitors
- 100% full load burn-in test
- 3 years warranty

General Specification (Please refer to www.meanwell.com for detail spec.)



Model No.	RSD-100	RSD-150	RSD-200 NEW	RSD-300 NEW
Line regulation (max.)	±0.5%			
Load regulation (max.)	±1%			
Overload protection	Range	105%~135%		
	Type	Constant current limiting, recovers automatically after fault condition is removed		
Over voltage protection	115%~135% Shut down O/P voltage, re-power on to recover			115%~140%
Withstand voltage	I/P - O/P: 4kVDC, I/P - FG: 2.5kVDC, O/P - FG: 2.5kVDC, 1 minute			
Isolation resistance	100MΩ (min.) @500VDC			
Working temperature	-40~+70°C (refer to output derating curve)			
Safety standards	Meet IEC60950-1(LVD)			
EMC standards	EN55022 class B, EN50121-3-2, EN61000-4-2,3,4,5,6,8			
Railway standard	EN50155 / IEC60571			
Dimension (LxWxH)(mm)	161x 68x 36	189x 77x 36	191x 86x 40	216x 97x 40
Packing	24pcs / 15.4kg	15pcs / 13kg	12pcs / 12.3kg	12pcs / 15.3kg

100W RSD-100

Model No.	Input	Output	R&N	Effi.
RSD-100B-5	14.4~33.6V	5V, 0~20A	100mV	88.0%
RSD-100B-12	14.4~33.6V	12V, 0~8.4A	120mV	89.0%
RSD-100B-24	14.4~33.6V	24V, 0~4.2A	150mV	89.0%
RSD-100C-5	28.8~67.2V	5V, 0~20A	100mV	89.0%
RSD-100C-12	28.8~67.2V	12V, 0~8.4A	120mV	91.0%
RSD-100C-24	28.8~67.2V	24V, 0~4.2A	150mV	91.0%
RSD-100D-5	57.6~154V	5V, 0~20A	100mV	89.5%
RSD-100D-12	57.6~154V	12V, 0~8.4A	120mV	91.0%
RSD-100D-24	57.6~154V	24V, 0~4.2A	150mV	90.0%

150W RSD-150

Model No.	Input	Output	R&N	Effi.
RSD-150B-5	14.4~33.6V	5V, 0~30A	100mV	89%
RSD-150B-12	14.4~33.6V	12V, 0~12.5A	120mV	90%
RSD-150B-24	14.4~33.6V	24V, 0~6.3A	150mV	90%
RSD-150C-5	28.8~67.2V	5V, 0~30A	100mV	90%
RSD-150C-12	28.8~67.2V	12V, 0~12.5A	120mV	92%
RSD-150C-24	28.8~67.2V	24V, 0~6.3A	150mV	91%
RSD-150D-5	57.6~154V	5V, 0~30A	100mV	90%
RSD-150D-12	57.6~154V	12V, 0~12.5A	120mV	92%
RSD-150D-24	57.6~154V	24V, 0~6.3A	150mV	91%

200W **NEW** RSD-200

Model No.	Input	Output	R&N	Effi.
RSD-200B-12	14.4~33.6V	12V, 0~16.7A	120mV	89%
RSD-200B-24	14.4~33.6V	24V, 0~8.4A	150mV	89%
RSD-200B-48	14.4~33.6V	48V, 0~4.2A	180mV	89%
RSD-200C-12	28.8~67.2V	12V, 0~16.7A	120mV	91%
RSD-200C-24	28.8~67.2V	24V, 0~8.4A	150mV	91%

Model No.	Input	Output	R&N	Effi.
RSD-200C-48	28.8~67.2V	48V, 0~4.2A	180mV	91%
RSD-200D-12	57.6~154V	12V, 0~16.7A	120mV	91%
RSD-200D-24	57.6~154V	24V, 0~8.4A	150mV	91%
RSD-200D-48	57.6~154V	48V, 0~4.2A	180mV	91%

300W **NEW** RSD-300

Model No.	Input	Output	R&N	Effi.
RSD-300B-5	14.4~33.6V	5V, 0~45A	100mV	87%
RSD-300B-12	14.4~33.6V	12V, 0~22.5A	120mV	89%
RSD-300B-24	14.4~33.6V	24V, 0~11.3A	150mV	90%
RSD-300B-48	14.4~33.6V	48V, 0~5.7A	180mV	90%
RSD-300C-5	28.8~67.2V	5V, 0~45A	100mV	89%
RSD-300C-12	28.8~67.2V	12V, 0~25A	120mV	91%
RSD-300C-24	28.8~67.2V	24V, 0~12.5A	150mV	91%
RSD-300C-48	28.8~67.2V	48V, 0~6.3A	180mV	91%
RSD-300D-5	57.6~154V	5V, 0~45A	100mV	89%
RSD-300D-12	57.6~154V	12V, 0~25A	120mV	91%
RSD-300D-24	57.6~154V	24V, 0~12.5A	150mV	91%
RSD-300D-48	57.6~154V	48V, 0~6.3A	180mV	91%
RSD-300E-5	21.6~50.4V	5V, 0~45A	100mV	88%
RSD-300E-12	21.6~50.4V	12V, 0~25A	120mV	90%
RSD-300E-24	21.6~50.4V	24V, 0~12.5A	150mV	90%
RSD-300E-48	21.6~50.4V	48V, 0~6.3A	180mV	90%
RSD-300F-5	43.2~100.8V	5V, 0~45A	100mV	89%
RSD-300F-12	43.2~100.8V	12V, 0~25A	120mV	91%
RSD-300F-24	43.2~100.8V	24V, 0~12.5A	150mV	91%
RSD-300F-48	43.2~100.8V	48V, 0~6.3A	180mV	91%