



TDK-Lambda Corporation

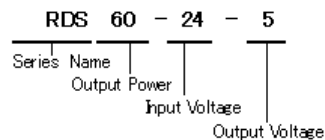


RDS SERIES

Single output 30W-180W



Model name



■ Features

- Unit type DC/DC, with consideration for Railway Service
- Vibration & Shock Resistant on Railway Standard
JIS E 3014, 3015 2-B for Railway Signal (Conformed Design)
IEC61373 1-B for Railway Vehicle (Conformed Design, RDS50-110)
- Remote ON/OFF Control Function (Floating)
- Series Operation
- Parallel Operation (RDS100, RDS180)
- Remote Sensing (RDS100-24, RDS180-24, RDS50-110)
- EMI EN55022-A (Conformed Design)
- Input Protection : Reverse Connection, Inrush Current Suppressor
- Output Protection : OVP, OCP, OTP
- PCB Coating by Resin
- Used decreased low molecular siloxane as silicone rubber

■ Specifications [\(technical data download\)](#)

Input voltage range	DC18 - 32V, DC36 - 63V, DC60 - 160V
Output voltage	5V / 12V / 15V / 24V
Cooling Method	Convection Cooling (Forced Air available for RDS50-110)
Operating temperature (at standard mounting)	-20 - 60 oC (-20 oC - +50 oC : 100%, +60oC 70%) (For RDS50-110, +60oC : 60% / Input derating is required)
Withstand voltage	2kVAC (10mA) between Input - Orput & Input - FG 100VAC (100mA) between Onput - CNT(RC), each 1min.
Safety standard	Approved : UL60950-1, CSA60950-1, Conformed : EN60950-1
Functions	OVP, OCP, Remote ON/OFF Control, Series Operation

■ Product lineup

Input voltage	24V							
Output power	30W		60W		100W		180W	
Type name	RDS30-24		RDS60-24		RDS100-24		RDS180-24	
Output voltage	Output current	Model name	Output current	Model name	Output current	Model name	Output current	Model name
5V	6A	RDS30-24-5	12A	RDS60-24-5	20A	RDS100-24-5	36A	RDS180-24-5
12V	2.5A	RDS30-24-12	5A	RDS60-24-12	8.3A	RDS100-24-12	15A	RDS180-24-12
15V	2.0A	RDS30-24-15	4A	RDS60-24-15	6.6A	RDS100-24-15	12A	RDS180-24-15
24V	1.3A	RDS30-24-24	2.5A	RDS60-24-24	4.2A	RDS100-24-24	7.5A	RDS180-24-24

Input voltage	48V				110V	
Output power	30W		60W		50W	
Type name	RDS30-48		RDS60-48		RDS50-110	
Output voltage	Output current	Model name	Output current	Model name	Output current	Model name
5V	6A	RDS30-48-5	12A	RDS60-48-5	10A	RDS50-110-5
12V	2.5A	RDS30-48-12	5A	RDS60-48-12	4.2A	RDS50-110-12
15V	2.0A	RDS30-48-15	4A	RDS60-48-15	3.4A	RDS50-110-15
24V	1.3A	RDS30-48-24	2.5A	RDS60-48-24	2.1A	RDS50-110-24

As for the mention contents of this page, understand beforehand because it sometimes changes.

TDK-Lambda group websites

ASIA

Country/Region	Language
JAPAN	Japanese
	English
CHINA	Chinese
KOREA	Korean
SINGAPORE	English

U.S.A.

Country/Region	Language
NORTH AMERICA	English(High Power)
	English(Low Power)
SOUTH AMERICA	Spanish
	Portuguese

EUROPE

Country/Region	
FRANCE	
GERMANY	
ISRAEL	
ITALY	
Netherlands	
RUSSIA	
U.K.	

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