

DC/DC CONVERTERS

SD RANGE



The SD series is a range of switch-mode DC/DC converters.

These converters are dedicated to the supply of electric and electronic equipment. They guarantee the quality of the output voltage and ensure isolation. They can operate as battery chargers.

Thanks to their input voltage range, they offer the possibility to connect directly on the banks of a battery.

Their dimensions and weight allow easy maintenance.

They are available in a power range of 200 W, 500W and 1000W upon request.



STANDARD RANGE

DESCRIPTION	ITEM CODE	INPUT VOLTAGE (VDC)	OUTPUT VOLTAGE (VDC)	OUTPUT CURRENT (A)	MAX. OUTPUT CURRENT (A)	DIMENSIONS L x W x H (MM)
SD 203-I1-DD-AL	25000160DD	12	12	16	18	166 x 108 x 80
SD 206-I1-DD-AL	25000163DD	12	24	8	10	166 x 108 x 80
SD 208-I1-DD-AL	25000166DD	12	48	4	5	166 x 108 x 80
SD 203-I2-DD-AL	25000161DD	24	12	16	18	166 x 108 x 80
SD 206-I2-DD-AL	25000164DD	24	24	8	10	166 x 108 x 80
SD 208-I2-DD-AL	25000167DD	24	48	4	5	166 x 108 x 80
SD 206-I3-DD-AL	25000165DD	48	24	8	10	166 x 108 x 80
SD 208-I3-DD-AL	25000168DD	48	48	4	5	166 x 108 x 80

SD – TECHNICAL SPECIFICATIONS

INPUT VOLTAGE

- Input 12 Vdc at nominal rate 10 to 18 Vdc
- Input 24 Vdc at nominal rate 18 to 36 Vdc
- Input 48 Vdc at nominal rate 36 to 72 Vdc

OUTPUT

- Voltage adjustment by internal potentiometer on the front
- Output 12 Vdc at nominal rate 11 to 16 Vdc
- Output 24 Vdc at nominal rate 21 to 32 Vdc
- Output 48 Vdc at nominal rate 42 to 64 Vdc
- Output voltage setting as a battery charger
13.6Vdc – 27.2 Vdc – 54.4 Vdc

OUTPUT ELECTRIC CHARACTERISTICS

- Line regulation: 1 %
- Load regulation: 2 % (10 to 100%)
- Residual ripple
 - SD200: < 200mV
- Typical efficiency: 75 %

PRESENTATION

- In closed box
- Fixing on screw terminal
- SD200 series weight: 1,25 kg

DIELECTRIC RIGIDITY

- Input/output > 1000 Vcc

INPUT PROTECTIONS

- Against polarity reversal
- EMI filter
- By fuses

OUTPUT PROTECTIONS

- Against short-circuits
- Against overload by power limitation
- Against over voltages (Vnom + 25%)

VENTILATION

- Natural

OPERATING TEMPERATURE

- 0°C to + 50°C

STORAGE TEMPERATURE

- - 20°C to + 85°C

STANDARDS

- Security EN 60950
- EMC EN 50081-2
- EC marking

OPTIONS

- Please contact us