

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 25 to 200 W. power 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 53-I1-C-H	25000152	12	12	2,2	2,2	160 x 104 x 48
SD 203-I1-DD-AL	25000160DD	12	12	16	18	166 x 108 x 80
SD 56-I1-C-H	25000155	12	24	1	1	160 x 104 x 48
SD 206-I1-DD-AL	25000163DD	12	24	8	10	166 x 108 x 80
SD 58-I1-C-H	25000157	12	48	0,6	0,6	160 x 104 x 48
SD 208-I1-DD-AL	25000166DD	12	48	4	5	166 x 108 x 80
SD 53-I2-C-H	25000153	24	12	3,5	3,5	160 x 104 x 48
SD 53-I2-P-C-H	25000175	24	12	6	6	160 x 104 x 48
SD 203-I2-DD-AL	25000161DD	24	12	16	18	166 x 108 x 80
SD 56-I2-C-H	25000070	24	24	1,7	1,7	160 x 104 x 48
SD 56-I2-P-C-H	25000177	24	24	3,5	3,5	160 x 104 x 48
SD 206-I2-DD-AL	25000164DD	24	24	8	10	166 x 108 x 80
SD 58-I2-C-H	25000158	24	48	0,8	0,8	160 x 104 x 48
SD 58-I2-P-C-H	25000179	24	48	1,5	1,5	160 x 104 x 48
SD 208-I2-DD-AL	25000167DD	24	48	4	5	166 x 108 x 80
SD 53-I3-C-H	25000154	48	12	4	4	160 x 104 x 48
SD 53-I3-P-C-H	25000176	48	12	6	6	160 x 104 x 48
SD 203-I3-DD-AL	25000162DD	48	12	16	18	166 x 108 x 80
SD 56-I3-C-H	25000156	48	24	2	2	160 x 104 x 48
SD 56-I3-P-C-H	25000178	48	24	3,5	3,5	160 x 104 x 48
SD 206-I3-DD-AL	25000165DD	48	24	8	10	166 x 108 x 80
SD 58-I3-C-H	25000159	48	48	1	1	160 x 104 x 48
SD 58-I3-P-C-H	25000180	48	48	1,5	1,5	160 x 104 x 48
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
- Other available voltages 5 or 15 Vdc

OUTPUT ELECTRIC CHARACTERISTICS

- Line regulation: 1 %
- Load regulation: 2 % (10 to 100%)
- Residual ripple
 - SD52 / 54: < 50 mV
 - SD56 / 58: < 100 mV
 - SD200: < 200mV
- Typical efficiency: 75 %

PRESENTATION

- In closed box (SD50 available as a PCB)
- Fixing on screw terminal
- SD200 series weight: 1,25 kg
- SD50 series weight: 0,8 kg

DISPLAY

- Inhibition input on SD50 models (in option)

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