

SD

200W in DC conversion

2 Warranty 2 years

12V

24V

48V



Galvanic isolation

Presentation

The CRISTEC SD converter chargers are dedicated to the power-supply of electric and electronic equipment. They guarantee a high quality output voltage and ensure **galvanic isolation** between input and output. Thanks to their input voltage range they can be connected directly to a battery and used as a battery charger with a UI charge curve. Their dimensions and weight allow an easy maintenance.

General characteristics

- Input voltage : 12, 24, 48VDC
- Input protection : against polarity reversal; EMI filter; by fuses
- Output voltage : 12 or 24 or 48Vdc nominal - Voltage adjustment by external potentiometer
- Output electric characteristics : typical efficiency: 75% - Line regulation: 1% - Load regulation: 2% (10 to 100%)
- Output protection : against short-circuit; against overload by current limitation; against overvoltage ($V_{nom} + 25\%$)
- Output power : 195W
- Operating temperature : from 0°C to +50°C
- Ventilation : natural
- Dielectric rigidity : Input/Output >1000Vdc
- Standards : Safety : EN 60950 ; EMC : EN 50081-2
- Presentation : in closed box; fixing on screw terminals
- Dimensions : 166 x 108 x 80 mm (6.53 x 4.25 x 3.14 in)
- Weight : 1,3 Kg (2.2 lbs)

Part Number	Input voltage	Output voltage	Output current	Max. output current
SD203-12-DD-AL	12 VDC (10 to 18VDC)	12 VDC	16 A	18 A
SD206-12-DD-AL		24 VDC	8 A	10 A
SD208-12-DD-AL		48 VDC	4 A	5 A
SD203-24-DD-AL	24 VDC (18 to 36VDC)	12 VDC	16 A	18 A
SD206-24-DD-AL		24 VDC	8 A	10 A
SD208-24-DD-AL		48 VDC	4 A	5 A
SD208-48-DD-AL	48 VDC (36 to 72VDC)	48 VDC	4 A	5 A

Typical installation

