



## ISOLATED DC/DC CONVERTERS



### PRESENTATION

- ◆ CRISTEC switch-mode DC/DC converters are dedicated to the power-supply of electric and electronic equipment.
- ◆ They guarantee a high quality output voltage and ensure insulation. Thanks to their input voltage range they can be connected directly to a battery (can be used as a battery charger).
- ◆ Their dimensions and weight allow an easy maintenance.

### GENERAL CHARACTERISTICS

- **NOMINAL INPUT VOLTAGE :**
  - 12Vdc : from 10 to 18Vdc
  - 24Vdc : from 18 to 36Vdc
  - 48Vdc : from 36 to 72Vdc
- **OUTPUT VOLTAGE :**
  - 12, 24 or 48Vdc nominal
  - Voltage adjustment by external potentiometer
- **OUTPUT POWER : 195W**
- **OUTPUT ELECTRIC CHARACTERISTICS :**
  - Typical efficiency : 75 %
  - Line regulation : 1 %
  - Load regulation : 2 % (10 to 100 %)
- **DIELECTRIC RIGIDITY :** input/output > 1000Vdc
- **COOLING :** natural
- **OPERATING TEMPERATURE :** from 0°C to +50°C
- **STORAGE TEMPERATURE :** from -20°C to +85°C
- **PRESENTATION :**
  - In closed box
  - Fixing on screw terminals
- **INPUT PROTECTION :**
  - Against polarity reversal
  - EMI filter
  - By fuses
- **OUTPUT PROTECTION :**
  - Against short-circuit
  - Against overload by current limitation
  - Against overvoltage (Vnom + 25 %)

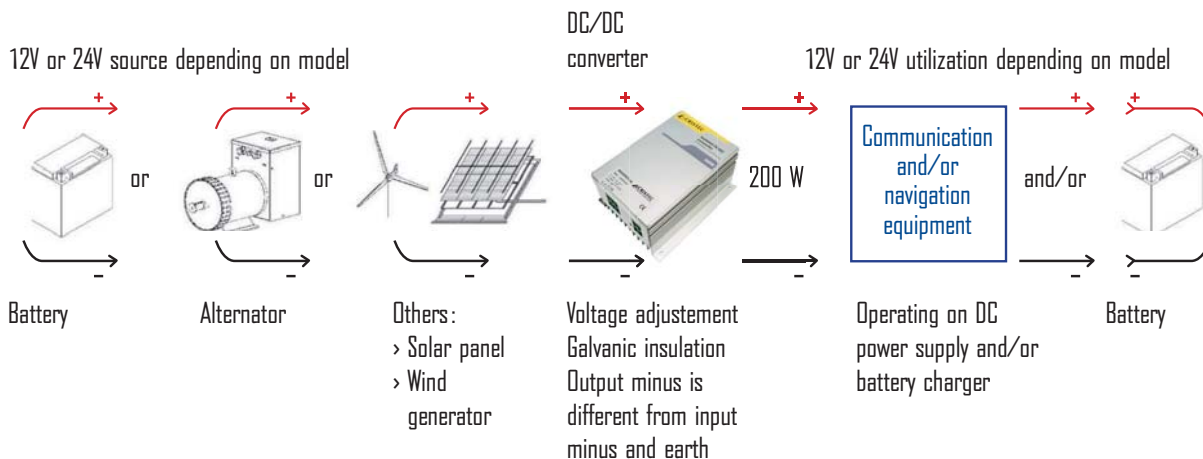
### STANDARDS

- Safety : EN 60950
- EMC : EN 50081-2





## TYPICAL INSTALLATION



ITEM CODE	DESCRIPTION	INPUT VOLTAGE (Vdc)	OUTPUT VOLTAGE (Vdc)	OUTPUT CURRENT (A)	MAX. OUTPUT CURRENT (A)	DIMENSIONS h x w x d (mm)
25000160DD	SD 203-I1-DD-AL	12	12	16	18	166x108x80mm
25000163DD	SD 206-I1-DD-AL	12	24	8	10	166x108x80mm
25000166DD	SD 208-I1-DD-AL	12	48	4	5	166x108x80mm
25000161DD	SD 203-I2-DD-AL	24	12	16	18	166x108x80mm
25000164DD	SD 206-I2-DD-AL	24	24	8	10	166x108x80mm
25000167DD	SD 208-I2-DD-AL	24	48	4	5	166x108x80mm
25000162DD	SD 203-I3-DD-AL	48	12	16	18	166x108x80mm
25000165DD	SD 206-I3-DD-AL	48	24	8	10	166x108x80mm
25000168DD	SD 208-I3-DD-AL	48	48	4	5	166x108x80mm

Specifications may change without notice. Please contact us.