

OUTPUT 13.8V SWITCHING MODE DC-DC CONVERTER

Manson



SDC - 210 / 225 / 245

Description

This series of Switching mode DC - DC converters are built to meet the high current applications at 13.8V DC. In addition to the high efficiency, the low profile construction makes use of the heat sinks as main body of the robust, rugged housing of the unit. The OVP (Over voltage protection) protects sensitive electronic equipment.

Features

- 13.8V DC regulated output voltage
- 22 - 30V DC input voltage
- High efficiency 88%
- High power density
- Output overvoltage protection
- Overload and short circuit protection
- LED power on indicator
- EMC INTERFERENCE IMMUNITY
- Power on-off switch



SPECIFICATIONS

SDC - 210

SDC - 225

SDC - 245

Input Voltage Range	22 to 30V DC		
Output Voltage	13.8V DC		
Continuous Output Current	8A	20A	35A
Maximum Output Current	10A	25A	40A
Ripple & Noise (P-P)	<200mV		
Load Regulation	500mV	50mV	80mV
Line Regulation	20mV		
Efficiency	88%	89%	88%
Input Connection Type	Cable		
Output Connection Type	Cable	Terminal	
Indicators	Power ON LED		
Cooling System	Natural Convection	Variable speed thermally control fan	
Protection Devices	Overload , Short Circuit		
Input Fuse Type	Standard car blade fuse		
CE Approvals	EN55014 , EN55022		
e-Mark Approvals	e11 02 1522	e11 02 1524	e11 02 1521
Dimension (WxHxD)	125 x 47 x 120 (mm)	156 x 57 x 168 (mm)	156 x 57 x 240 (mm)
Weight	0.55Kg	1.4Kg	2.2Kg
Accessory	Nil	Mounting bracket	

* SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE *