

SSDC-Series

13.8VDC Isolated Ground Switching Mode DC-DC Converter



SSDC - 200 Series

Description

This Isolated Ground series provide negative / positive ground reference compatibility, allowing connection of negative ground equipment to positive or floating ground battery system or vice versa. They offer protection level for themselves and to the connected loads. They also offer protection against transient voltages spikes typically encountered on electric fork lifts. Being switch mode, they have high efficiency (>80%), produces little heat and are of small size for the power they deliver.

Features

- Negative or positive ground reference
- High efficiency 88%
- Low profile , high power density
- Protection against transient voltages
- EMC INTERFERENCE IMMUNITY
- 22 - 30VDC input voltage
- Overload and short circuit protection
- Over current protection
- LED power on indicator

Specifications

Models	SSDC - 210	SSDC - 240
Input Voltage Range	22 - 30VDC	
Output Voltage	13.8VDC	
Continuous Output Current	8A	35A
Maximum Output Current	10A	40A
Ripple & Noise (peak-peak)	<100mVp-p	<250mVp-p
Load Regulation (0-100% load)	350mV	250mV
Line Regulation (20-30V variation)	30mV	50mV
Efficiency	>86%	>84%
Input Connection Type	Cable	Cable
Output Connection Type	Cable	Terminal
Indicators	Power on LED	
Cooling System	Natural Convection	Variable Speed Thermally Control Fan
Protection Devices	Over Voltage, Overload, Short Circuit	
Input Fuse Type	Standard Car Blade Fuse	
CE Approvals	EN 55011	EN 55022
e-Mark Approvals	e11 02 1520	NIL
Dimensions (WxHxD)	125x47x120 mm 4.9x1.9x4.7 inch	156x57x240 mm 6.1x2.2x9.5 inch
Weight	0.65 kg 1.4 lbs	2.2 kg 5 lbs
Accessory	Nil	Mounting Bracket

■ All values are based on the Standard ambient Temperature 25°C and Pressure 0.1Mpa.

■ SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE