

# 13.8V ISOLATED GROUND SWITCHING MODE DC-DC CONVERTER

SSDC - 210 / 240

Manson



## 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 switchmode, 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

SSDC - 210

SSDC - 240

Input Voltage Range	22 to 30V DC	
Output Voltage	13.8V DC	
Continuous Output Current	8A	35A
Maximum Output Current	10A	40A
Ripple & Noise (P-P)	<100mV	<100mV
Load Regulation	350mV	250mV
Line Regulation	20mV	50mV
Efficiency	> 86%	> 80%
Input Connection Type	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	
Approvals	EN55011 , EN55022 , e11 02 1520	EN55022
Dimension (WxHxD)	125 x 47 x 120 (mm)	156 x 57 x 240 (mm)
Weight	0.65Kg	2.2Kg
Accessory	NIL	Mounting bracket

\* SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE \*

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