

DC-DC CONVERTER 72-144V:48V 21A IN BEHUIZING

€ 389,00

Excl. BTW: € 321,49

Afbeeldingen



Beschrijving

DC VOLTAGE: 48V
RATED CURRENT: 21A
CURRENT RANGE: 0 ~ 21A
RATED POWER: 1008W
VOLTAGE ADJ. RANGE: 46 ~ 60VDC

Features

2000Vac I/O Isolation
Short circuit, over load, over voltage, over temperature protections
Forced air cooling by built-in DC fan with fan speed control
High power density 10.7W/inch³
1U low profile, 41mm
Output OK signal
Built-in remote ON-OFF control
Built-in remote sense function

Applications

Electrical engineering
Automotive
Battery back-up applications

Description

SD-1000 Series enclosed 1U DC-DC converter, for the growing demand of high wattage dc/dc applications. Features 4:1~2:1 wide DC input range and 2000VAC input/output isolation, with 72~144V input levels. Other standard features include 12V/0.25A auxiliary output, output OK signal, remote on/off control and remote sense functions as well as short circuit, over load, over voltage and over temperature protections.

Specification

Input Voltage 72 ~ 144Vdc

Input Current 11.6A/96Vdc

Inrush Current 100A/96Vdc

Set Up, Rise Time 500ms, 50ms at full load

Ripple & Noise 150mV

Output Voltage Tolerance $\pm 1.0\%$

Line Regulation $\pm 0.5\%$ maximum

Load Regulation $\pm 0.5\%$ maximum

Over Load Protection 105%~125% rated output power

Constant current limiting, unit will shut down o/p voltage about 5sec. Re-power on to recover

Over Voltage Protection Shut down o/p voltage, re-power on to recover

Over Temperature Protection 80°C $\pm 5^\circ\text{C}$ (TSW2) Detect on heatsink of O/P diode;

75°C $\pm 5^\circ\text{C}$ (TSW1) Detect on heatsink of power transistor

Shut down o/p voltage, recovers automatically after temperature goes down

Remote On/Off Control Refer to datasheet

Output OK Signal Open collector signal low when PSU turns on, Max sink current: 10mA

Working Temperature -20°C to +60°C (refer to output derating curve), -40 start up possible

Working Humidity 20 ~ 90% RH non-condensing

Storage Temperature, Humidity -40°C to +85°C, 10 ~ 95% RH

Temperature Coefficient $\pm 0.02\%/^\circ\text{C}$ (0 ~ 50°C)

Vibration 10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y, Z axes

Withstand Voltage I/P-O/P: 2KV I/P-FG: 1.5KV O/P-FG: 0.5KVAC

Isolation Resistance I/P-O/P, I/P-FG, O/P-FG: 100M Ohms/500VDC

Safety Standards IEC60950-1 CB Approved by TUV

EMC Standards Compliance to EN55022 (CISPR22); EN61000-3-2,-3; EN61000-4-2,3,4,6,8;

ENV50204 Light industry level, criteria A

MTBF 32K hrs min. MIL-HDBK-217F (25°C)

Productinformatie

Artikelnummer	SD1000H48
Merk	MEANWELL
Is on Sale	Nee

