

IMARK

PRODUCT DESCRIPTION



DC4812-20
DC-DC CONVERTER
 48 Volts DC to 13.8 Volts DC, 20 Amps
 Imark Stock # [601422](#)

Features:

- Switch-Mode for Efficiency
- Compact size
- Sealed against the ingress of dirt and moisture
- Continuous duty rated
- Indicators for "Input OK" and "Output OK"
- Remote ON/OFF facility
- Over Temperature Protection
- Over Voltage Protection
- Over Current Protection
- Reverse Polarity Protection

DESCRIPTION:

The Imark DC4812-20 DC-DC Converter is a full specification, compact, ruggedly built unit designed to operate reliably at full 20 Amps load in arduous mining, transport, industrial, agricultural, marine, electrical, and military environments. In-built protection features protect the unit from user tampering often encountered in harsh remote locations.

The compact size allows easy installation in restricted spaces while the unique mounting bracket permits slight bending of the mounting tabs for installation on uneven surfaces. The contoured shape and full sealing against the ingress of dust and moisture allows the unit to be mounted at exposed locations. The DC4812-20 is supplied with a heavy-duty one metre fly lead and mounting screws.

SPECIFICATIONS:	
Input Voltage	44 - 52 Volts DC
Rated Output Current (100% Duty)	20 Amps
Current Limit Setting (@25°C)	21 Amps
Stand-by Current	80mA
No Load Idle Current	140mA
Efficiency	>80%
Conducted Emissions	-85dBm
Remote "ON/OFF" Control	Yes
Over Temperature Protection	Yes (@ 85°C)
Over Voltage Protection	Yes (@ 18 Volts)
Over Current Protection	Yes (Foldback)
Output Short Circuit Protection	Yes
Reverse Polarity Protection	Yes
User Replaceable Input Fuse	Yes
Isolated Electronics	Yes
Weather Resistant Construction	Yes
Operating Temperature Range	0° to 50° Celsius
Dimensions	126 (W) x 170 (D) x 60 (H) mm (excluding Protrusions)
Mounting Plate Dimensions	126 (W) x 211 (D) mm
Shipping Dimensions	190 x 230 x 75 mm
Weight	1.5 Kg's
Shipping Weight	1.7 Kg
Inclusions	Operators Manual, Mounting Screws x 4
Standards	AS/NZS 2064 - 1997, EN55011 - 1991, CISPR 11 - 1997.
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