

**C.M. TECHNOLOGY**

Designed and Manufactured in Australia

www.cmtechnology.com.au**PRODUCT SHORTFORM****Rev. A****Tel: +61 (2) 9764 5655****Power Function Control & Monitoring System****PFCMS1**

19" Control & Monitoring Rack for DC4842 with removable ANSI/ETSI mounting flanges

Front Panel LEDs display DC4842 Temperature, Output Voltage & Current

Voltage Range	90 ~ 264VAC, 127 ~ 370VDC
Frequency Range	47 ~ 63Hz
AC Current (Typical)	0.2A/230VAC
Inrush Current (Typical)	50A/230VAC
Monitoring Inputs	I ² C signal (AC OK, DC OK & Over Temperature alarms), output voltage of PFCMS1
Digital Meters	Display the DC output voltage, current & internal temperature of DC4842 unit
Control Output	Remote ON/OFF and output voltage trimming for DC4842 unit
Relay Contacts	Alarm for AC Fail, DC Fail, and Over Temperature
LED Indicators	AC Fail, DC Fail, Over Temperature
Remote ON/OFF Control	The DC4842 unit can be turned ON/OFF from the front panel for PFCMS1
Voltage Trimming	Output voltage of DC4842 can be trimmed by 10% on the front panel of PFCMS1
Working Temperature	-20°C ~ +60°C
Working Humidity	20~90% Room Humidity non-condensing
Storage Temperature & Humidity	-40°C ~ +85°C , 10 ~ 95% Room Humidity
Vibration	10 ~ 500Hz, 2G 10min./1cycle, 60min. each along X, Y & Z axis
Safety Standards	UL60950-1, TUV EN60950-1
Withstand Voltage	Input-Output:3KVAC, Input-Ground:1.5KVAC, Output-Ground:0.5KVAC
Isolation Resistance	Input-Output, Input-Ground & Output-Ground: 100M Ohms / 500VDC / 25 / 70% Room Humidity
EMI Conduction & Radiation	EN55022 (CISPR22) Class B
Harmonic Current	EN61000-3-2,-3
EMS Immunity	EN61000-4-2,3,4,5,6,8,11
Dimensions	440 x 68 x 44 mm (L x W x H)

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