

EPOS Compact 48-CV3D-RU

DC Power System



GENERAL DESCRIPTION

The EPOS Compact 48-CV3D-RU is an industry leading DC power system optimized for the demanding power needs of wireless communications and broadband access equipment.

Requiring only 2U (87.6 mm) of rack height, the EPOS Compact 48-CV3D-RU is the modular, flexible solution for a wide range of applications.

The system is based on the Compact VCRML rectifier modules and it is equipped with a digital system controller. The system

controller has a powerful remote management interface through Ethernet or SNMP.

FEATURES

- Available in 48 V
- Max. output 100 A
- Constant current limited rectifiers
- Battery connection with LVD function
- DC distribution

SPECIFICATIONS

Description	EPOS Compact 48-CV3D-RU	
Rectifier type	VCRML 48/1250	VCRML 48/2500
Input voltage	85 – 295 VAC	150 – 295 VAC
Input frequency	47 – 63 Hz	
AC wiring	Individual AC feeds	
No. of rectifier positions	3	
Battery low voltage disconnect	Included (contactor)	
No. of battery connections	2	
Battery protection	MCB max. 100A	
Max. shelf current	100 A (150 A if battery connection is not used)	
No. of distribution points	2	
Distribution protection	MCB in different sizes	

PRODUCT SELECTION GUIDE

A system will, as a minimum, consist of a power shelf, a system controller, one type of rectifier (depending of

capacity requirements), and distribution MCB's. Battery MCB must be included if a battery shall be connected.

DC power system

Description	Qty	EPOS Compact 48-CV3D-RU	
Power shelf	1	95MC004A	
System controller CV	1	94E430A	
Rectifier	1 – 3	92F090A (1250W)	92F120A (2500W)

Circuit breakers (MCB)

Part no.	Description	Part no.	Description
5A000319	MCB 10 A	5A000324	MCB 40 A
5A000320	MCB 15 A	5A000325	MCB 50 A
5A000321	MCB 20 A	5A000326	MCB 60 A
5A000322	MCB 25 A	5A000329	MCB 80 A
5A000323	MCB 30 A	5A000330	MCB 100 A

Options

Part no.	Description
77CBS00224A	Alarm cable for relay alarm outputs
94E480A	Temperature probe 3 m, ring terminal
94E720A	Temperature probe 10 m, ring terminal
94E490A	Temperature probe 3 m, paddle terminal
94E730A	Temperature probe 10 m, paddle terminal

