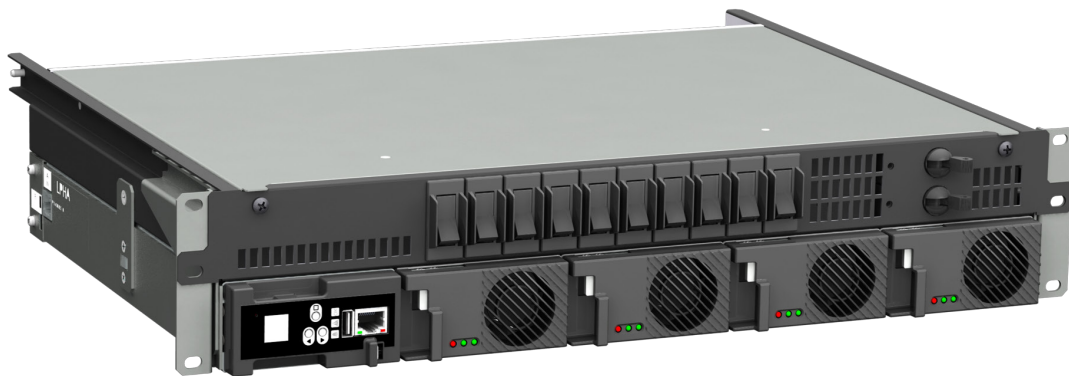


CORDEX® E-CXPS-48-05

POWER SYSTEM



OVERVIEW

2U power system with Cordex® CXCM1 HP system controller and modular Cordex® HP 1.2kW rectifier solution provides up to 100A capacity @ -48VDC for various small power applications

High efficiency design for reduced operating expenses

High temperature rated, fan-cooled design for harsh outdoor installations

Wide range AC input and IEC line cords for multiple AC services

Front accessible

OPTIONS

Battery temperature sensor 1.8m/ 3/8" 747-082-20-071

Battery temperature sensor 1.8m/ 1/4" 747-028-20-071

Battery temperature sensor 3.6m/ 3/8" 747-082-20-072

Battery temperature sensor 3.6m/ 1/4" 747-028-20-072

I/O board internal assembly 0180039-002

CAN cable 1.8m for I/O board 877-176-22

Customized configuration of system Contact EnerSys

PRODUCT NUMBER

Power system without rectifiers 2000005679

1.2kW rectifier 010-619-20-041

Blank for empty rectifier position 747-622-20-000

ELECTRICAL			Per module in system	Per full system 4 rectifier
Input	Voltage	Nominal range	176 to 276VAC	
		Extended low voltage range	90 to 175VAC (de-rated output power)	
		Extended high voltage range	277 to 300VAC (de-rated power factor)	
	Frequency		45 to 70Hz	
	Power factor		>0.99	
Output	Voltage	Nominal	-48VDC	
		Operating range	-42 to -58VDC	
	Power	Nominal range	1 200W	4 800W
		Extended low voltage range	600W	2 400W
		90 to 132VAC	491W	1964W
		(Linear derating)	<90VAC	0W
	Current	Nominal	25A @ 48VDC	100A
CONNECTIONS				
Input	AC	L1-L2, N, PE (IEC C20)	2 pc IEC C19 female type (L1 resp L2) 3x1.5mm ²	
Output	Load	+/- (positive ground)	10 pc, max 4mm ²	1-pol/ CB 3x6A 7x10A
	Battery	+/-	2 pcs, max 10mm ²	1-pol/ CB 2x50A
	One battery temperature sensor 1.8m/ 3/8" (747-082-20-071) included			
RJ45	Ethernet port (TCP/IP and SNMP secured by user)			
USB	Backup, restore or upgrade configuration in controller			
I/O	AI: 1x temperature (+/- 5VDC), DI: 1x Voltage (+60VDC), DO: 3x Alarm Dry contact (60VDC/1A)			

PERFORMANCE		
Indicators	AC mains OK — green LED DC output OK — green LED Module alarm — red LED	
Adjustments (Controller)	Float and equalize voltage High and low voltage alarms Current limit Slope %	Battery test voltage High voltage shutdown Start delay timers
Protection	Current limit/short circuit Input/output fuses Output power limiting Input transient AC high voltage shutdown Start delay	Output high voltage shutdown Thermal foldback/shutdown AC low line foldback/shutdown Battery low voltage disconnect Battery breakers common alarm Load breakers common alarm
Optional	Additional Battery temperature sensor Additional I/O board for input/output	

MECHANICAL	
Dimensions (H x W x D)	89 x 448 x 347mm (19", 2U)
Weight	12.8kg (max populated subrack)/ 1.23kg (rectifier module)
Mounting	19" with sliding rails and flush mounting

ENVIRONMENTAL	
Temperature	Operation -40 to +80°C (+65 to +80°C de-rated output power)
	Storage -40 to +85°C
Humidity	0 to 95% RH non-condensing
Elevation	-500 to 3000m
Cooling	Fan cooled (front to rear)

STANDARDS AND CERTIFICATION	
<ul style="list-style-type: none"> The product is CE marked Product safety acc. to EN 62368-1 Electromagnetic compatibility acc. to ETSI EN 300 386 The product is RoHS compliant acc. to EU directive 2011/65/EU The product is WEEE compliant acc. to EU directive 2012/19/EU 	



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