

IPUM27K-A5D1013

Introduction

IPUM27K-A5D1013 sub-rack power supply, 13U height compact design to meet critical application needs of fiber and microwave transmission, access device, switch. The system maximum power is 450A, with AC/DC/battery/load MCBs. The cables are front accessing with MCB and busbar.

Key Features

- Standard 19-inch width which has the advantage of wide use
- 13U height compact design, space and installation cost can be saved
- Front operation and cable accessing, good-looking and safe maintenance
- Perfect battery management, prolongs the life of the battery well provide various communication ports, RS232/485, internet port, dry contacts, etc. which enables flexible networking and remote monitoring
- Rectifier and controller are hot pluggable, easy and quick on-line maintenance
- Wide input voltage range(85-300Vac) the power grid is adaptable



IPUM27K-A5D1013



Rectifier/MPPT module



Controller

Application Scenarios

- Wireless base station
- Transmission network
- Communication network of enterprises

Specifications

Type		IPUM27K-A5D1013	
System	Dimension	482.0(W)*350.6 (D)*13U(H)	
	Weight	≤40kg (without rectifiers)	
	Cooling mode	Natural cooling	
	Installation mode	Installed on 19-inch rack or inside the cabinet	
	Maintenance mode	Front maintenance, support module grade change	
	Protection level	IP20	
INPUT Distribution		AC	DC
	Input mode	380VAC three-phase	120VDC to 340VDC
	Input capacity	1×100A/3P	4×25A/2P
	Input frequency	45~66Hz, rated value: 50Hz/60Hz	/
	SPD	20kA/40kA, 8/20μs	
OUTPUT Distribution	Output voltage	-42~-58VDC, rated value: -53.5VDC	-42~-58VDC, rated value: -54.5VDC
	Maximum capacity	27kW (Rectifier)	
	Battery breakers	3×125A/3P	
	Load breakers	LLVD:2×63A/1P, 1×16A/1P, 2 spare pos BLVD:2×63A/1P, 2×6A/1P, 1 spare pos	
	SPD	20kA/40kA, 8/20μs	
Module		Rectifier module	MPPT module
	Input voltage	85VAC ~ 300VAC, rated 220VAC	120VDC to 425VDC, rated 340VDC
	Efficiency	≥96%	≥96%
	Rated power	3000W(176~300VAC)	3000W(200~425VAC)
	Working temperature	-40°C~+75°C(fully output below 55°C)	
	Dimension	106.5mm(W)×286mm(D)×41.5mm(1U/H)	
	Weight	≤2kg	
	Power factor	≥0.99	
THD	≤5%	/	
Controller	Signal input	5 AI(3 Battery temp., ambient temp., ambient humidity) ,9 DI(spd, 8 common DI)	
	Alarm output	8 dry contact	
	Communication port	RS232/485, SNMP	
	Display mode	LCD	
Environment	Operating temperature	-40°C~+75°C	
	Storage temperature	-40°C~+75°C	
	Operating humidity	5%~95%(non-condensing)	
	Altitude	0~3000m(If the altitude is within the range of 2000m to 3000m, the maximum operating temperature decreases by 1°C as the altitude increases by 200m.)	

OKAYA POWER SYSTEM

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