

Small Cell Power System



Power module: SDA11-48-2000-D; SDA11-48-3000-D

Battery module: SDA10-4820; SDA10-4850



System parameters

Power module

Model	SDA11-48-2000-D	SDA11-48-3000-D
Basic parameters		
Operating temperature	-40°C ~ +55°C (Temperature outside the aluminum case)	
Cooling method	Natural conduction cooling	
Audio noise	<45 dB	
Dimensions (width * height * depth mm)	304*390*100 mm	
Total Weight	≤8.5KG	
Installation method	Can be installed on walls, poles, angle steel towers; supports banner or tile installation, etc.	
Protection level	IP65	
AC input		
Input voltage	Rated input voltage: AC 220V , Input range: AC 85 ~ 300V	
Input frequency	45 ~ 55Hz	
Input current	< 15A	< 22.5A
Power Factor	≥0.99	
AC Surge	20KA	
DC Output		
Rated output voltage	DC 48V	
Rated output power	2000W	3000W
Load output	30A × 3	
Battery input	50A × 1	
DC surge	10KA	
Power Efficiency	96%	
Other functions		
Human-computer interaction	Serial communication; mobile APP	
Dry contact	3 (Configurable)	
Communication interface	RS485;CAN	
Wireless communication	NB-IOT/4G;Bluetooth	

Battery module

Model	SDA10-4820	SDA10-4850
Basic parameters		
Battery type	Iron lithium battery, 16 series	
Operating temperature	-40°C ~ +55°C (Ambient temperature)	
Cooling method	Natural conduction cooling	
Dimensions	350*450*150mm	
Total Weight	≤25Kg	≤31Kg
Installation method	Can be installed on walls, poles, angle steel towers; supports banner or tile installation, etc.	
Protection level	IP65	
Performance parameter		
Rated battery voltage	48V	
Battery capacity	20Ah	50Ah
Working voltage range	40V-57.6V	
Max. charging voltage	57.6V	
Charging current	20A (Current limited mode: 10A)	25A (Current limited mode: 10A)
Discharge current	20A	50A
Communication Interface		
Parallel communication	Supported	
Communication Interface	RS485*2	
Alarm and protection	Over voltage, under voltage, short circuit, overload, over current, over temperature, low temperature protection, etc.	

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