

RUGGED. RELIABLE. UNMATCHED.

MEET SOLIS ENERGY'S CONTINUOUS POWER BRIDGE CPB48570 SERIES



Don't let your devices turn off with your power supply. Designed for applications where power outages are regular and predictable, the CPB keeps your devices running when your gang-switched power supply, such as a light pole, is turned off. Perfect for surveillance cameras and Wi-Fi radios mounted on parking lot light poles or street lights that don't receive power in the daytime.

CONTINUOUS POWER BRIDGE



FEATURES

- True Universal AC input (90 to 305 VAC)
- Operating Temperature (-20 to 70 °C)
- Hydraulic-Magnetic Breakers
- Powder Coated Aluminum Enclosure
- Clean DC Power Output
- Online Battery Connection - Zero Transfer Time
- Multi-Stage Charging



APPLICATIONS

- Surveillance Cameras
- Wireless Communication Equipment
5G, CBRS, Private LTE, mmWave
- Wi-Fi Hotspots
- Obstruction Lighting
- Access Control Devices
- SCADA Systems
- Emergency Call Boxes and Mustering Stations



POWER WHEN YOU NEED IT.

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Rev 26.9

CPB48570 SERIES



		CPB48570-E	CPB48570-3		
OVERVIEW	Model Number	CPB48570-E U1G4	CPB48570-3 22G4	CPB48570-3 34G4	CPB48570-3 31G4
	System Nominal Voltage	48 VDC			
	Backup System Type	Online UPS			
	Charging Algorithm	Multi Stage			
	Surge Protection	Transient			
	Total Weight (lb)	129.0	233.0	237.0	357.0
MAXIMUM LOAD	Maximum System Load (W)	30.3	49.0	57.6	94.1
INPUT	Voltage Range AC	90 - 305 VAC			
	Frequency Range	47 - 63Hz			
	Efficiency (Typical)	93.50%			
	AC Current (Typical)	7A/115 VAC 3.3A/230 VAC 2.9A/277 VAC			
CHARGING	Boost Charge Voltage	57.6 VDC			
	Float Charge Voltage	54.4 VDC			
	Max Output Current	10.5 A			
	Max Charging Temperature	70°C			
PROTECTION	Circuit Breaker Input	10A Dual-Pole Hydraulic-Magnetic			
	Circuit Breaker Battery	15A Single-Pole Hydraulic-Magnetic			
	Circuit Breaker Load	10A Single-Pole Hydraulic-Magnetic			
	Environmental	Over Voltage / Over Temperature			
ENVIRONMENTAL	Working Temperature	-20°C - 60°C (-40°C - 70°C with derating)			
	Storage Temperature	-40°C - 85°C			
	Working Humidity	20 - 95% RH non-condensing			
ENCLOSURE	Dimensions(HxWxD) (in)	28 x 17.4 x 15.2	34.4 x 31.3 x 18.5		
	Weight, Empty (lb)	21.0	65.0		
	Weight, with Controller (lb)	35.0	83.0		
	Material	A5052-H32 Aluminum Alloy			
	Finish	Polyester Powder Coat			
	Fasteners	Stainless Steel Draw Latch with Padlockable Hasp			
	Hinge	Door Length Stainless Steel Piano Hinge			
	Cable Ingress / Egress	1/2" NPT Polyamide Cord Grips			
	Environmental	NEMA 3 - Field Upgradable to NEMA 4			
	Pole / Wall / Truss Tower Mounting	Yes			
	Free Standing / Ground Mounting	No	Yes		
	Shelf	Optional	Yes		
BATTERY ARRAY	Bank Total Energy Storage	1516	2448	2880	4704
	Array Voltage (Nominal)	48 VDC			
	Array Capacity @ C20	31.6	51	60	98
	Chemistry	Sealed Thixotropic Gel VRLA			
	Quantity	4	4	4	4
	Weight, Total (lb)	94.0	150.0	154.0	274.0
	Weight, Each (lb)	23.5	37.5	38.5	68.5
	Charging Temperature Range	-60°C - 60°C			

Note: The information contained herein is subject to change without notice.

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CPB48570 SERIES



		CPB48570-E	CPB48570-3		CPB48570-6
OVERVIEW	Model Number	CPB48570-E 31LT2	CPB48570-3 24L4	CPB48570-3 27L4	CPB48570-6 27L8
	System Nominal Voltage	48 VDC			
	Backup System Type	Online UPS			
	Charging Algorithm	Multi Stage			
	Surge Protection	Transient			
	Total Weight (lb)	87.0	191.0	187.0	317.0
	MAXIMUM LOAD	Maximum System Load (W)	48.0	72.0	96.0
INPUT	Voltage Range AC	90 - 305 VAC			
	Frequency Range	47 - 63Hz			
	Efficiency (Typical)	93.50%			
	AC Current (Typical)	7A/115 VAC 3.3A/230 VAC 2.9A/277 VAC			
CHARGING	Boost Charge Voltage	57.6 VDC			
	Float Charge Voltage	54.4 VDC			
	Max Output Current	10.5 A			
	Max Charging Temperature	70°C			
PROTECTION	Circuit Breaker Input	10A Dual-Pole Hydraulic-Magnetic			
	Circuit Breaker Battery	15A Single-Pole Hydraulic-Magnetic			
	Circuit Breaker Load	10A Single-Pole Hydraulic-Magnetic			
	Environmental	Over Voltage / Over Temperature			
ENVIRONMENTAL	Working Temperature	-20°C - 57.2°C			
	Storage Temperature	-40°C - 60°C			
	Working Humidity	20 - 95% RH non-condensing			
ENCLOSURE	Dimensions(HxWxD) (in)	28 x 17.4 x 15.2	34.4 x 31.3 x 18.5		49.0 x 31.3 x 19.0
	Weight, Empty (lb)	21.0	65.0		91.0
	Weight, with Controller (lb)	35.0	83.0		109.0
	Material	A5052-H32 Aluminum Alloy			
	Finish	Polyester Powder Coat			
	Fasteners	Stainless Steel Draw Latch with Padlockable Hasp			
	Hinge	Door Length Stainless Steel Piano Hinge			
	Cable Ingress / Egress	1/2" NPT Polyamide Cord Grips			
	Environmental	NEMA 3 - Field Upgradable to NEMA 4			
	Pole / Wall / Truss Tower Mounting	Yes			
	Free Standing / Ground Mounting	No	Yes		
	Shelf	Optional	Yes		
BATTERY ARRAY	Bank Total Energy Storage	2400	3600	4800	9600
	Array Voltage (Nominal)	48 VDC			
	Array Capacity @ C20	50	75	100	200
	Chemistry	LiFePO4			
	Quantity	2	4	4	8
	Weight, Total (lb)	52.0	108.0	104.0	208.0
	Weight, Each (lb)	26.0	27.0	26.0	26.0
	Charging Temperature Range	-20°C - 57.2°C			

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