

# RUGGED. RELIABLE. UNMATCHED.

## MEET SOLIS ENERGY'S CONTINUOUS POWER BRIDGE CPB24570 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°C 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 24.3

# CPB24570 SERIES



		CPB24570-E			CPB24570-3	
OVERVIEW	Model Number	CPB24570-E 22G2	CPB24570-E 31G2	CPB24570-E 55G2	CPB24570-3 31G4	CPB24570-3 55G4
	System Nominal Voltage	24 VDC				
	Backup System Type	Online UPS				
	Charging Algorithm	Multi Stage				
	Surge Protection	Transient				
	Total Weight (lb)	110.0	172.0	204.0	357.0	421.0
MAXIMUM LOAD	Maximum System Load (W)	24.5	47.5	55.2	95.0	110.4
INPUT	Voltage Range AC	90 - 305 VAC				
	Frequency Range	47 - 63 Hz				
	Efficiency (Typical)	93.50%				
	AC Current (Typical)	7A/115 VAC	3.3A/230 VAC	2.9A/277 VAC		
CHARGING	Boost Charge Voltage	28.8 VDC				
	Float Charge Voltage	27.2 VDC				
	Output Current	21 A				
	Max Charging Temperature	70°C				
PROTECTION	Circuit Breaker Input	10A Dual Pole Hydraulic-Magnetic				
	Circuit Breaker Battery	25A 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 (H x W x D) (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 3R - Field Upgradable to NEMA 4X				
	Mounting	Pole / Wall / Truss Tower			Pole / Wall / Ground / Truss Tower	
	Shelf	Optional			Yes	
BATTERY ARRAY	Array Total Energy Storage (Wh)	1224	2376	2760	4752	5520
	Array Voltage (Nominal)	24 VDC				
	Array Capacity @ C20 (Ah)	51	99	115	198	230
	Chemistry	Sealed Thixotropic Gel VRLA				
	Quantity	2	2	2	4	4
	Weight, Total (lb)	75.0	137.0	169.0	274.0	338.0
	Weight, Each (lb)	37.5	68.5	84.5	68.5	84.5

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

## POWER WHEN YOU NEED IT.