

# RUGGED. RELIABLE. UNMATCHED.

## MEET SOLIS ENERGY'S CONTINUOUS POWER BRIDGE CPB12410 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 25.10



# CPB12410 SERIES

	Model Number	VRLA Gel Battery			LiFePO <sub>4</sub> Battery		
		CPB12410-C 31G1	CPB12410-E 31G2	CPB12410-3 31G4	CPB12410-C 31L1	CPB12410-E 31L2	CPB12410-3 31L4
<b>OVERVIEW</b>	System Nominal Voltage	12 VDC					
	Backup System Type	Online UPS					
	Charging Algorithm	Multi Stage					
	Surge Protection	Transient					
	Total Weight	96.5	172.0	357.0	59.0	97.0	207.0
<b>MAXIMUM LOAD</b>	Maximum System Load (W)	23.5	46.8	93.6	27.0	54.0	108.0
<b>INPUT</b>	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		
<b>CHARGING</b>	Boost Charge Voltage	14.4 VDC					
	Float Charge Voltage	13.6 VDC					
	Max Output Current	35 A					
	Charge Controller Max Operating Temp	70°C					
<b>PROTECTION</b>	Circuit Breaker Input	10A Dual Pole Hydraulic-Magnetic					
	Circuit Breaker Battery	40A Single Pole Hydraulic-Magnetic					
	Circuit Breaker Load	10A Single Pole Hydraulic-Magnetic					
	Environmental	Over Voltage / Over Temperature					
<b>ENVIRONMENTAL</b>	Working Temperature	-40°C - 70°C*			-20°C - 57.2°C		
	Storage Temperature	-40°C - 85°C			-40°C - 60°C		
	Working Humidity	20 - 95% RH non-condensing					
<b>ENCLOSURE</b>	Dimensions (H x W x D) (in)	27.8 x 17.4 x 8.1	28 x 17.4 x 15.2	34.4 x 31.3 x 18.5	27.8 x 17.4 x 8.1	28 x 17.4 x 15.2	34.4 x 31.3 x 18.5
	Weight, Empty (lb)	14.0	21.0	65.0	14.0	21.0	65.0
	Weight, with Controller (lb)	28.0	35.0	83.0	28.0	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	No		Yes
	Shelf	No	Optional	Yes	No	Optional	Yes
	<b>BATTERY ARRAY</b>	Array Total Energy Storage (Wh)	1176	2340	4680	1200	2400
Array Voltage (Nominal)		12 VDC					
Array Capacity @ C20 (Ah)		98	195	390	100	200	400
Chemistry		Sealed Gel VRLA			LiFePO <sub>4</sub>		
Quantity		1	2	4	1	2	4
Weight, Total (lb)		68.5	137.0	274.0	31.0	62.0	124.0
Weight, Each (lb)		68.5	68.5	68.5	31.0	31.0	31.0
Charging Temperature Range		-60°C - 60°C			-20°C - 57.2°C		

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

## POWER WHEN YOU NEED IT.