

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 26.09

CPB12410 SERIES



		VRLA Gel Battery			LiFePO ₄ Battery		
OVERVIEW	Model Number	CPB12410-C 31G1	CPB12410-E 31G2	CPB12410-3 31G4	CPB12410-C 27L1	CPB12410-E 27L2	CPB12410-3 27L4
	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	54.0	87.0	187.0
MAXIMUM LOAD	Maximum System Load (W)	23.5	46.8	93.6	27.0	54.0	108.0
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	14.4 VDC					
	Float Charge Voltage	13.6 VDC					
	Max Output Current	35 A					
	Charge Controller Max Operating Temp	70°C					
PROTECTION	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					
ENVIRONMENTAL	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					
ENCLOSURE	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
	BATTERY ARRAY	Shelf	No	Optional	Yes	No	Optional
Array Total Energy Storage (Wh)		1176	2340	4680	1200	2400	4800
Array Voltage (Nominal)		12 VDC					
Array Capacity @ C20 (Ah)		98	195	390	100	200	400
Chemistry		Sealed Gel VRLA			LiFePO ₄		
Quantity		1	2	4	1	2	4
Weight, Total (lb)		68.5	137.0	274.0	26.0	52.0	104.0
Weight, Each (lb)		68.5	68.5	68.5	26.0	26.0	26.0
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.