

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°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.

150 N Cypress Way • Casselberry, FL 32707
407.339.6786 • www.SolisEnergy.com

Rev 24.3

CPB12410 SERIES



		CPB12410-C		CPB12410-E		CPB12410-3	
OVERVIEW	Model Number	CPB12410-C 31G1	CPB12410-C 5SG1	CPB12410-E 31G2	CPB12410-E 5SG2	CPB12410-3 31G4	CPB12410-3 5SG4
	System Nominal Voltage	12 VDC					
	Backup System Type	Online UPS					
	Charging Algorithm	Multi Stage					
	Surge Protection	Transient					
	Total Weight (lb)	96.5	112.5	172.0	204.0	357.0	421.0
MAXIMUM LOAD	Maximum System Load (W)	23.8	27.6	45.1	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	14.4 VDC					
	Float Charge Voltage	13.6 VDC					
	Output Current	35 A					
	Max Charging Temperature	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	-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)	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	
	Weight, with Controller (lb)	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 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)	1188	1380	2256	2760	4752	5520
	Array Voltage (Nominal)	12 VDC					
	Array Capacity @ C20 (Ah)	99	115	188	230	396	460
	Chemistry	Sealed Thixotropic Gel VRLA					
	Quantity	1	1	2	2	4	4
	Weight, Total (lb)	68.5	84.5	137.0	169.0	274.0	338.0
	Weight, Each (lb)	68.5	84.5	68.5	84.5	68.5	84.5

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

POWER WHEN YOU NEED IT.