

DEPENDABLE. PRACTICAL. VERSATILE.

MEET SOLIS ENERGY'S UNINTERRUPTIBLE POWER SUPPLY UPS12410 SERIES



It pays to expect the unexpected. With the help of Solis Energy's Uninterruptible Power Supply (UPS), your grid-powered applications will have reliable battery backup power preventing an unplanned outage. In the event of a blackout, brownout or power dip, our UPS will keep your devices on short-term power until regular grid power is restored. The UPS is a fitting solution for critical applications such as security & surveillance systems, wireless networks, and industrial control systems installed in areas prone to harsh weather events, and any installation where continuous power is not only needed, but necessary.

UNINTERRUPTIBLE POWER SUPPLY



FEATURES

- 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
- Alarm Contacts



APPLICATIONS

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



POWER WHEN YOU NEED IT.

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Rev 24.3

UPS12410 SERIES



		UPS12410-C		UPS12410-E		UPS12410-3	
		UPS12410-C 31A1	UPS12410-C 55G1	UPS12410-E 31A2	UPS12410-E 55G2	UPS12410-3 31A4	UPS12410-3 55G4
OVERVIEW	Model Number						
	System Nominal Voltage	12 VDC					
	Backup System Type	Online UPS					
	Charging Algorithm	Multi Stage					
	Surge Protection	Transient					
	Total Weight (lb)	95.5	112.5	170.0	204.0	353.0	421.0
ESTIMATED BACKUP AT LOAD WATTAGE (HOURS)	400W	2.6	2.9	5.2	5.8	10.3	11.6
	350W	2.9	3.3	5.9	6.6	11.8	13.3
	300W	3.4	3.9	6.9	7.7	13.8	15.5
	250W	4.1	4.6	8.3	9.3	16.5	18.6
	200W	5.2	5.8	10.3	11.6	20.6	23.2
	150W	6.9	7.7	13.8	15.5	27.5	31.0
	100W	10.3	11.6	20.6	23.2	41.3	46.5
	50W	20.6	23.2	41.3	46.5	82.6	92.9
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	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 to 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	1032	1161.6	2064	2323.2	4128	4646.4
	Array Voltage (Nominal)	12 VDC					
	Array Capacity @ C5	86	96.8	172	193.6	344	387.2
	Chemistry	AGM	GEL	AGM	GEL	AGM	GEL
	Quantity	1	1	2	2	4	4
	Weight, Total (lb)	67.5	84.5	135.0	169.0	270.0	338.0
	Weight, Each (lb)	67.5	84.5	67.5	84.5	67.5	84.5

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

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