

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 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 26.2

UPS12410 SERIES



		UPS12410-C		UPS12410-E	UPS12410-3
		UPS12410-C 22A1	UPS12410-C 31A1	UPS12410-E 31A2	UPS12410-3 31A4
OVERVIEW	Model Number				
	System Nominal Voltage	12 VDC			
	Backup System Type	Online UPS			
	Charging Algorithm	Multi Stage			
	Surge Protection	Transient			
	Total Weight (lb)	65.0	67.5	170.0	353.0
ESTIMATED BACKUP AT LOAD WATTAGE (HOURS)	400W Load	1.2	2.2	4.4	8.8
	350W Load	1.4	2.5	5.0	10.0
	300W Load	1.6	2.9	5.8	11.7
	250W Load	1.9	3.5	7.0	14.0
	200W Load	2.4	4.4	8.8	17.5
	150W Load	3.2	5.8	11.7	23.4
	100W Load	4.7	8.8	17.5	35.1
	50W Load	9.5	17.5	35.1	70.2
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		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			
	Pole / Wall / Truss Tower Mounting	Yes			
	Free Standing / Ground Mounting	No			Yes
	Shelf	No	Optional		Yes
BATTERY ARRAY	Array Total Energy Storage	558	1032	2064	4128
	Array Voltage (Nominal)	12 VDC			
	Array Capacity @ C5	46.5	86	172	344
	Chemistry	Absorbed Glass Mat (AGM)			
	Quantity	1	1	2	4
	Weight, Total (lb)	37.0	67.5	135.0	270.0
	Weight, Each (lb)	37.0	67.5	67.5	67.5

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

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UPS12410 SERIES



		UPS12410-C		UPS12410-E		UPS12410-3	
OVERVIEW	Model Number	UPS12410-C 24L1	UPS12410-C 27L1	UPS12410-E 24L2	UPS12410-E 27L2	UPS12410-3 24L4	UPS12410-3 27L4
	System Nominal Voltage	12 VDC					
	Backup System Type	Online UPS					
	Charging Algorithm	Multi Stage					
	Surge Protection	Transient					
	Total Weight (lb)	55.0	54.0	89.0	87.0	191.0	187.0
ESTIMATED MAX BACKUP TIMES @ 25°C (HOURS)	400W Load	2.1 h	2.9 h	4.3 h	5.7 h	8.6 h	11.4 h
	350W Load	2.4 h	3.3 h	4.9 h	6.5 h	9.8 h	13.0 h
	300W Load	2.9 h	3.8 h	5.7 h	7.6 h	11.4 h	15.2 h
	250W Load	3.4 h	4.6 h	6.8 h	9.1 h	13.7 h	18.2 h
	200W Load	4.3 h	5.7 h	8.6 h	11.4 h	17.1 h	22.8 h
	150W Load	5.7 h	7.6 h	11.4 h	15.2 h	22.8 h	30.4 h
	100W Load	8.6 h	11.4 h	17.1 h	22.8 h	34.2 h	45.6 h
	50W Load	17.1 h	22.8 h	34.2 h	45.6 h	68.4 h	91.2 h
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					
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ENVIRONMENTAL	Working Temperature	-20°C - 60°C <i>(-40°C to 70°C with Derating)</i>					
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	Weight, Empty (lb)	14.0		21.0		65.0	
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	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	900	1200	1800	2400	3600
Array Voltage (Nominal)		12 VDC					
Array Capacity @ C5		75	100	150	200	300	400
Chemistry		LiFePO4					
Quantity		1	1	2	2	4	4
Weight, Total (lb)		27.0	26.0	54.0	52.0	108.0	104.0
Weight, Each (lb)		27.0	26.0	27.0	26.0	27.0	26.0

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