

DEPENDABLE. PRACTICAL. VERSATILE.

MEET SOLIS ENERGY'S UNINTERRUPTIBLE POWER SUPPLY UPS48570 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

UPS48570 SERIES



		UPS48570-E		UPS48570-3		
		UPS48570-E U1A4	UPS48570-3 24A4	UPS48570-3 31A4	UPS48570-3 55G4	
OVERVIEW	Model Number	UPS48570-E U1A4	UPS48570-3 24A4	UPS48570-3 31A4	UPS48570-3 55G4	
	System Nominal Voltage	48 VDC				
	Backup System Type	Online UPS				
	Charging Algorithm	Multi Stage				
	Surge Protection	Transient				
	Total Weight (lb)	58.0	135.0	150.5	167.5	
ESTIMATED MAX BACKUP TIMES @25°C (HOURS)	500W Load	2.6	6.6	8.3	9.3	
	450W Load	2.9	7.4	9.2	10.3	
	400W Load	3.3	8.3	10.3	11.6	
	350W Load	3.8	9.5	11.8	13.3	
	300W Load	4.4	11.1	13.8	15.5	
	250W Load	5.3	13.3	16.5	18.6	
	200W Load	6.6	16.6	20.6	23.2	
	150W Load	8.8	22.1	27.5	31.0	
	100W Load	13.2	33.2	41.3	46.5	
	50W Load	26.4	66.4	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	57.6 VDC				
	Float Charge Voltage	54.4 VDC				
	Max Output Current	10.5 A				
	Max Charging Temperature	70°C				
PROTECTION	Circuit Breaker Input	10A Dual-Pole Hydraulic-Magnetic				
	Circuit Breaker Battery	15A 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 (HxWxD) (in)	28 x 17.4 x 15.2	34.4 x 31.3 x 18.5			
	Weight, Empty (lb)	21.0	65.0			
	Weight, with Controller (lb)	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	Bank Total Energy Storage	1320	3321.6	4128	4646.4	
	Array Voltage (Nominal)	48 VDC				
	Array Capacity @ C5	27.5	69.2	86	96.8	
	Chemistry	AGM	AGM	AGM	GEL	
	Quantity	4	4	4	4	
	Weight, Total (lb)	92.0	208.0	270.0	338.2	
	Weight, Each (lb)	23.0	52.0	67.5	84.5	

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

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