

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 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.

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

Rev 26.2



UPS48570 SERIES

		UPS48570-E	UPS48570-3		UPS48570-6
OVERVIEW	Model Number	UPS48570-E U1A4	UPS48570-3 24A4	UPS48570-3 31A4	UPS48570-6 31A4
	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	150.5
ESTIMATED MAX BACKUP TIMES @25°C (HOURS)	500W Load	2.2	5.6	7.0	14.0
	450W Load	2.5	6.3	7.8	15.6
	400W Load	2.8	7.1	8.8	17.5
	350W Load	3.2	8.1	10.0	20.1
	300W Load	3.7	9.4	11.7	23.4
	250W Load	4.5	11.3	14.0	28.1
	200W Load	5.6	14.1	17.5	35.1
	150W Load	7.5	18.8	23.4	46.8
	100W Load	11.2	28.2	35.1	70.2
	50W Load	22.4	56.5	70.2	140.4
INPUT	Voltage Range AC	90 - 305 VAC			
	Frequency Range	47 - 63Hz			
	Efficiency (Typical)	0.935			
	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		49.0 x 31.3 x 19.0
	Weight, Empty (lb)	21.0	65.0		91.0
	Weight, with Controller (lb)	35.0	83.0		109.0
	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 Mounting	Yes			
	Free Standing / Ground Mounting	No	Yes		
	Shelf	Optional	Yes		
	BATTERY ARRAY	Bank Total Energy Storage	1320	3321.6	4128
Array Voltage (Nominal)		48 VDC			
Array Capacity @ C5		27.5	69.2	86	172
Chemistry		AGM			
Quantity		4	4	4	8
Weight, Total (lb)		92.0	208.0	270.0	540.0
Weight, Each (lb)		23.0	52.0	67.5	67.5

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

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UPS48570 SERIES

		UPS48570-E	UPS48570-3		UPS48570-6
OVERVIEW	Model Number	UPS48570-E 31LT2	UPS48570-3 24L4	UPS48570-3 31L4	UPS48570-6 31L8
	System Nominal Voltage	48 VDC			
	Backup System Type	Online UPS			
	Charging Algorithm	Multi Stage			
	Surge Protection	Transient			
	Total Weight (lb)	97.0	191.0	207.0	331.0
ESTIMATED MAX BACKUP TIMES @25°C (HOURS)	500W Load	4.6	6.8	9.1	18.2
	450W Load	5.1	7.6	10.1	20.3
	400W Load	5.7	8.6	11.4	22.8
	350W Load	6.5	9.8	13.0	26.1
	300W Load	7.6	11.4	15.2	30.4
	250W Load	9.1	13.7	18.2	36.5
	200W Load	11.4	17.1	22.8	45.6
	150W Load	15.2	22.8	30.4	60.8
	100W Load	22.8	34.2	45.6	91.2
50W Load	45.6	68.4	91.2	182.4	
INPUT	Voltage Range AC	90 - 305 VAC			
	Frequency Range	47 - 63Hz			
	Efficiency (Typical)	0.935			
	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	49.0 x 31.3 x 19.0	
	Weight, Empty (lb)	21.0	65.0	91.0	
	Weight, with Controller (lb)	35.0	83.0	109.0	
	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 Mounting	Yes			
	Free Standing / Ground Mounting	No	Yes		
Shelf	Optional	Yes			
BATTERY ARRAY	Bank Total Energy Storage	2400	3600	4800	9600
	Array Voltage (Nominal)	48 VDC			
	Array Capacity @ C5	50	75	100	200
	Chemistry	LiFePO ₄			
	Quantity	2	4	4	8
	Weight, Total (lb)	62.0	108.0	124.0	248.0
Weight, Each (lb)	31.0	27.0	31.0	31.0	

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