

DEPENDABLE. PRACTICAL. VERSATILE.

MEET SOLIS ENERGY'S UNINTERRUPTIBLE POWER SUPPLY UPS24570 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 26.9

UPS24570 SERIES



		UPS24570-C	UPS24570-E		UPS24570-3
OVERVIEW	Model Number	UPS24570-C U1A2	UPS24570-E 22A2	UPS24570-E 31A2	UPS24570-3 31A4
	System Nominal Voltage	24 VDC			
	Backup System Type	Online UPS			
	Charging Algorithm	Multi Stage			
	Surge Protection	Transient			
	Total Weight (lb)	81.0	109.0	170.0	353.0
ESTIMATED MAX BACKUP TIMES @25°C (HOURS)	500W Load	1.1	1.9	3.5	7.0
	450W Load	1.2	2.1	3.9	7.8
	400W Load	1.4	2.4	4.4	8.8
	350W Load	1.6	2.7	5.0	10.0
	300W Load	1.9	3.2	5.8	11.7
	250W Load	2.2	3.8	7.0	14.0
	200W Load	2.8	4.7	8.8	17.5
	150W Load	3.7	6.3	11.7	23.4
	100W Load	5.6	9.5	17.5	35.1
	50W Load	11.2	19.0	35.1	70.2
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	28.8 VDC			
	Float Charge Voltage	27.2 VDC			
	Output Current	21 A			
	Maximum Charging Temp.	70°C			
PROTECTION	Circuit Breaker Input	10A Dual Pole Hydraulic-Magnetic			
	Circuit Breaker Battery	25A 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)	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			
	Fastener	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	Array Total Energy Storage	660	1116	2064	4128
	Array Voltage (Nominal)	24 VDC			
	Array Capacity @ C5	27.5	46.5	86	172
	Chemistry	AGM			
	Quantity	2	2	2	4
	Weight, Total (lb)	46.0	74.0	135.0	270.0
	Weight, Each (lb)	23.0	37.0	67.5	67.5

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

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UPS24570 SERIES



		UPS24570-C	UPS24570-E		UPS24570-3	
OVERVIEW	Model Number	UPS24570-C 27LT1	UPS24570-E 24L2	UPS24570-E 27L2	UPS24570-3 24L4	UPS24570-3 27L4
	System Nominal Voltage	24 VDC				
	Backup System Type	Online UPS				
	Charging Algorithm	Multi Stage				
	Surge Protection	Transient				
	Total Weight (lb)	54.0	89.0	87.0	191.0	187.0
ESTIMATED MAX BACKUP TIMES @ 25°C (HOURS)	500W Load	2.3	3.4	4.6	6.8	9.1
	450W Load	2.5	3.8	5.1	7.6	10.1
	400W Load	2.9	4.3	5.7	8.6	11.4
	350W Load	3.3	4.9	6.5	9.8	13.0
	300W Load	3.8	5.7	7.6	11.4	15.2
	250W Load	4.6	6.8	9.1	13.7	18.2
	200W Load	5.7	8.6	11.4	17.1	22.8
	150W Load	7.6	11.4	15.2	22.8	30.4
	100W Load	11.4	17.1	22.8	34.2	45.6
50W Load	22.8	34.2	45.6	68.4	91.2	
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	28.8 VDC				
	Float Charge Voltage	27.2 VDC				
	Output Current	21 A				
	Maximum Charging Temp.	70°C				
PROTECTION	Circuit Breaker Input	10A Dual Pole Hydraulic-Magnetic				
	Circuit Breaker Battery	25A Single Pole Hydraulic-Magnetic				
	Circuit Breaker Load	10A Single Pole Hydraulic-Magnetic				
	Environmental	Over Voltage / Over Temperature				
ENVIRONMENTAL	Working Temperature	-20°C - 57.2°C				
	Storage Temperature	-40°C - 60°C				
	Working Humidity	20 - 95% RH non-condensing				
ENCLOSURE	Dimensions (HxWxD) (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				
	Fastener	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	No	Optional		Yes	
BATTERY ARRAY	Array Total Energy Storage	1200	1800	2400	3600	4800
	Array Voltage (Nominal)	24 VDC				
	Array Capacity @ C5	50	75	100	150	200
	Chemistry	LiFePO4				
	Quantity	1	2	2	4	4
	Weight, Total (lb)	26.0	54.0	52.0	108.0	104.0
	Weight, Each (lb)	26.0	27.0	26.0	27.0	26.0

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