

# 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°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.

150 N Cypress Way • Casselberry, FL 32707  
407.339.6786 • [www.SolisEnergy.com](http://www.SolisEnergy.com)

Rev 24.3

# UPS24570 SERIES



		UPS24570-E			UPS24570-3	
		UPS24570-E 22A2	UPS24570-E 31A2	UPS24570-E 5SG2	UPS24570-3 31A4	UPS24570-3 5SG4
<b>OVERVIEW</b>	Model Number					
	System Nominal Voltage	24 VDC				
	Backup System Type	Online UPS				
	Charging Algorithm	Multi Stage				
	Surge Protection	Transient				
	Total Weight (lb)	109.0	170.0	204.0	353.0	421.0
<b>ESTIMATED MAX BACKUP TIMES @25°C (HOURS)</b>	500W Load	2.2	4.1	4.6	8.3	9.3
	450W Load	2.5	4.6	5.2	9.2	10.3
	400W Load	2.8	5.2	5.8	10.3	11.6
	350W Load	3.2	5.9	6.6	11.8	13.3
	300W Load	3.7	6.9	7.7	13.8	15.5
	250W Load	4.5	8.3	9.3	16.5	18.6
	200W Load	5.6	10.3	11.6	20.6	23.2
	150W Load	7.4	13.8	15.5	27.5	31.0
	100W Load	11.2	20.6	23.2	41.3	46.5
	50W Load	22.3	41.3	46.5	82.6	92.9
<b>INPUT</b>	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	
<b>CHARGING</b>	Boost Charge Voltage	28.8 VDC				
	Float Charge Voltage	27.2 VDC				
	Output Current	21 A				
	Maximum Charging Temp.	70°C				
<b>PROTECTION</b>	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				
<b>ENVIRONMENTAL</b>	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				
<b>ENCLOSURE</b>	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				
	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				
	Mounting	Pole / Wall / Truss Tower			Pole / Wall / Ground / Truss Tower	
	Shelf	Optional			Yes	
<b>BATTERY ARRAY</b>	Array Total Energy Storage	1116	2064	2323.2	4128	4646.4
	Array Voltage (Nominal)	24 VDC				
	Array Capacity @ C5	46.5	86	96.8	172	193.6
	Chemistry	AGM	AGM	GEL	AGM	GEL
	Quantity	2	2	2	4	4
	Weight, Total (lb)	74.0	135.0	169.0	270.0	338.0
	Weight, Each (lb)	37.0	67.5	84.5	67.5	84.5

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

## POWER WHEN YOU NEED IT.