

AC>DC UPS (Uninterruptible Power Supply)

Solis Energy's AC>DC UPS is an ideal solution for your short-term, outdoor emergency needs by providing battery back-up power in the event of a brownout, blackout, power dip or surge. Reliably power your equipment via nominal 12 / 24 / 48 vDC or regulated 0-60 vDC, Power over Ethernet (POE), or inverter supplied AC. Applications include: communications devices, security systems and video cameras. It is light weight enough to be mounted near the top of a streetlight or tower to power all of your applications. Engineered for fast, easy installation. RoHS compliant.

At Solis Energy, we are committed to developing innovative, reliable products that provide flexible solutions to allow you to take control of your outdoor power requirements.



Flexibility to fit your specific requirements.

- Truly universal to fit any input. Auto ranging for use with 110 or 220 AC power inputs – both US and European standards.
- Rugged and reliable enclosures. NEMA 4x UV protected fiberglass enclosure, NEMA 3X powder-coated heavy gauge aluminum enclosure or NEMA 3x stainless steel enclosure available based on your size requirements. Designed for pole, wall or pedestal mounting.
- State of the art components for the harshest of environments. Ideal for outdoor use in areas with extreme temperature variations (-4 - 140°F, -20 - 60°C).

Options designed to fit your application.

- Enclosure sunshade. Keeps unit cooler and extends the life of the battery in tropical environments.
- AC photocell adapter. Provides electrical power by tapping into the electrical circuit used to power outdoor lights. Adapter inserts between the photocell and the light circuit. Cabling interconnects the power adapter to AC>DC UPS mounted near the top of the light pole.
- Error free AC input. Mini Change Connector for error free AC input installation.
- Error free DC output. Micro Change Connector for error free DC output installation.

Complete solution for radio deployment.

Solis Energy's 12030 Series AC>DC UPS and Streetlight Power Tap Adaptor combined to power Motorola's MOTOMESH Duo.



Solis Energy's AC>DC UPS 12030 Series Specifications:

PARAMETER	DC-UPS 12030			UNIT
	Minimum	Typical	Maximum	
INPUT				
AC Input Voltage	85	—	265	Volts RMS
Input Frequency	47	—	66	Hertz
Power Factor Correction	0.95	—	—	n/a
DC Input Voltage	110	—	370	Volts
OUTPUT – Battery & Load				
Battery & Load Voltage at 25°C	13.7	13.8	13.9	Volts
Battery & Load Voltage Over 0 – 60°C (temp. comp. range)	12.9 (60°C)	—	14.9 (0°C)	Volts (ambient temp.)
Output Voltage Temperature Compensation (0 – 60°C only)	—	-0.025	—	Volts / °C
Battery Charging Current (no load)	—	—	3.6	Amps
Load Current (30 Watts)	—	—	2.16	Amps
Output Switching Noise	—	—	100	mV p-p
GENERAL				
Operating Temperature	-20	—	60	°C
Efficiency	75	—	—	%
EMC – Emissions				
Radiated Noise: 30mHz – 1gHz per FCC Class B				
Conducted Noise: 150kHz – 30mHz per FCC Class B				
PHYSICAL				
Weight	20			Lbs
Dimension	11.42" x 9.79" x 6.31"			Inches

The above specifications list only one of our multiple standard product configurations. Contact us to find out how we can manufacture a specific solution to fit your custom application.



Smart solutions for continuous outdoor power.