

AC>DC UPS (Uninterruptible Power Supply)

Solis Energy's AC>DC UPS is an ideal solution to use as a secondary power source for your routine, day-to-day applications or to provide battery back-up power for your short-term, emergency needs. Our AC>DC UPS provides clean, uninterrupted 12 or 24 volt power to critical DC loads for hours, days or even weeks depending on the load and battery capacity.

As a secondary power source, our AC>DC UPS provides 100% power when your primary power source is not available, such as for security systems and video cameras. During sudden power outages, our AC>DC UPS is ideal for providing emergency back-up necessary to maintain vital communications with wireless access points.



Designed to fit your application.

Secondary Power Source	Emergency Power Back-up
<p>If you require constant and day-to-day power, such as powering a security system or video camera, our AC>DC UPS is a perfect secondary power source to back-up your primary power. In the case of trying to mount cameras to lamp posts where power is only available dusk to dawn, our AC>DC UPS provides 100% back-up power during the day when lights are off and fully recharges during the night when power returns in the evening.</p>	<p>If you are looking for a reliable, emergency battery back-up in the event of an AC (utility) power loss, such as at a wireless access point, our AC>DC UPS provides 100% battery back-up power on demand, immediately, as needed. More power is directed toward load and less to recharging the battery allowing additional equipment to be protected.</p>

Our unique advantage is our 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.
- **Choose the battery size based on your back-up power need.** Whether you need a secondary power source for extended power outages or short-term, emergency back-up power, we have the right size battery for you.
- **Flexible power based on your requirements.** Provides 150 watts total system power output that can vary based on the recharge time that you have available:
 - 1) **Emergency Power Back-up.** Standard configuration with battery storage of 30 amp hours for 12 volt systems and 60 amp hours for 24 volt systems available for short term, emergency power back-up.
 - 2) **Secondary Power Source.** High load configuration with battery storage of 80 amp hours for 12 volt systems and 160 amp hours for 24 volt systems when required for routine, daily operation (as a secondary power source).
- **Sustainable over a wide range of temperatures.** Ideal for outdoor use in areas with extreme temperature variations (-4 - 140°F, -20 - 60°C). Our AC>DC UPS can be easily mounted in an existing enclosure or we can provide a durably constructed enclosure.
- **Versatile to fit your needs.** Available in 12 and 24 Volt models: **DC-UPS 12070** and **DC-UPS 24070**.

Solis Energy's AC>DC UPS 12070 & 24070 Series Specifications:

PARAMETER	DC-UPS 12V-70W			DC-UPS 24V-70W			UNIT
	Minimum	Typical	Maximum	Minimum	Typical	Maximum	
INPUT							
AC Input Voltage	85	—	265	85	—	265	Volts RMS
Input Frequency	47	—	66	47	—	66	Hertz
Power Factor Correction	0.95	—	—	0.95	—	—	n/a
DC Input Voltage	110	—	370	110	—	370	Volts
OUTPUT – Battery & Load							
Battery & Load Voltage at 25°C	13.7	13.8	13.9	27.4	27.6	27.8	Volts
Battery & Load Voltage Over 0 – 60°C (temp. comp. range)	12.9 (60°C)	—	14.9 (0°C)	25.8 (60°C)	—	29.8 (0°C)	Volts (ambient temp.)
Output Voltage Temperature Compensation (0 – 60°C only)	—	-0.025	—	—	-0.05	—	Volts / °C
Battery Charging Current (no load)	—	—	10.5	—	—	5.25	Amps
Load Current (70 Watts)	—	—	5	—	—	2.5	Amps
Output Switching Noise	—	—	100	—	—	100	mV p-p
GENERAL							
Operating Temperature	-20	—	60	-20	—	60	°C
Efficiency	75	—	—	78	—	—	%
EMC – Emissions							
Radiated Noise: 30mHz – 1gHz per FCC Class B							
Conducted Noise: 150kHz – 30mHz per FCC Class B							
ALARM CONTACTS							
DC Current Rating at 30 VDC max	—	—	1	—	—	1	Amps
AC Current Rating at 120 VAC max	—	—	0.3	—	—	0.3	Amps



Our 12070 Series AC.DC UPS shown on site providing power to an airport surveillance camera and wireless back haul to the video controller.



Smart solutions for continuous outdoor power.

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