SOLAR SOLUTIONS

The AccelTex Solutions Solar Solutions are a complete remote power solution designed for off-grid operation to power various electronics. These solar solutions are fully configured and provide multiple output power options, such as PoE and DC power.

Custom configurations are available.

FEATURES

- Fully integrated unit includes charge controller, batteries, enclosure and solar panel(s)
- Multiple output power options, including PoE (802.3af 802.3at) & 12V DC
- Multiple PoE outputs with an additional PoE Switch for powering multiple PoE devices, such as security cameras
- Batteries are continuously charged via the solar panel(s)
- Charge controller protects against over-charging and over discharging of the batteries
- Enclosure ships with a Wall mount (Pole Mount is available as an accessory item) and Solar panel ships with a pole mount.
- Outdoor-Rated

BENEFITS

- Self-Contained Unit for easy install
- Provides isolated and uninterrupted power
- Space for mounting electronics (on some models)

SYSTEM COMPONENTS

- Sealed Lead Acid Batteries
- Enclosure with wall mount
- Solar Panel with pole mount
- Charge Controller
- DIN Rail for equipment mounting
- Wiring Harnesses
- Cord Grips
- Battery Safety Strap(s)
- Cable Management Kit
- Battery Tray on some models

APPLICATIONS

- Security Cameras
- Outdoor Wi-Fi
- Parking Lots and Garages
- Cellular Backhaul
- Remote Monitoring and Control
- Remote Sites
- Temporary Locations
- Disaster Relief

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CHOOSING THE RIGHT SOLAR SOLUTION

1. Calculate the amount of watts consumed by your equipment.
2. Refer to the column in the below Solar Solution Sizing Chart "Max Continuous Watts Supplied". This is the maximum wattage supplied to your equipment based on the calculation assumptions below:
   - Battery capacity is de-rated 50% for cold weather and recovery time for non-sunny days
   - 48 Hour Battery Backup Required
   - System is Running 12 Hours per Day
   - 6 Hours of Peak Sunlight Available
3. Determine the amount of space required for mounting additional equipment inside the enclosure (additional enclosure sizes are available).

SOLAR SOLUTION SIZING

Solar Solution Sizing Chart*

Max Continuous Watts Supplied	Battery Capacity	System Voltage	PoE Output	DC Output	Solar Panel	Enclosure Size	Part Number	List Price
6	27 Ah	12 V	56 V	10 Amps	60 W	12x10x6	ATS-SOLR-27AH-60W-12106P	$929.95
6	27 Ah	12 V	56 V	10 Amps	60 W	14x12x6	ATS-SOLR-27AH-60W-14126P	$959.95
8	36 Ah	12 V	56 V	10 Amps	60 W	14x12x6	ATS-SOLR-36AH-60W-14126P	$1,009.95
10	40 Ah	12 V	56 V	10 Amps	60 W	16x14x8	ATS-SOLR-40AH-60W-16148P	$1,179.95
20	80 Ah	12 V	56 V	10 Amps	90 W	16x14x8	ATS-SOLR-80AH-90W-16148P	$1,529.95
10	40 Ah	12 V	56 V	10 Amps	60 W	18x16x10	ATS-SOLR-40AH-60W-181610P	$1,219.95
20	80 Ah	12 V	56 V	10 Amps	90 W	18x16x10	ATS-SOLR-80AH-90W-181610P	$1,569.95

*Battery capacity is de-rated 50% for cold weather and recovery time for non-sunny days.
Sizing Chart Calculation Assumptions: 48 Hour Battery Backup required, System Running 12 Hours per Day with 6 Hours of Peak Sunlight.

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