

Solar Kits



Let us do the work for you! We have a solar kit for almost every application. If you are looking for a complete offgrid or back up solar power solution, then we highly recommend starting with one of our cutting-edge solar power kits. Finding the right equipment pairings can be time-consuming and, quite frankly, confusing, but these kits offer a better and more comprehensive solution. We have streamlined the process and ordering our custom kits is simple and everything can be found in one place. We offer excellent warranties, free technical support and our customer service is the best in the business.

Follow these quick instructions to get started:

1ST: Estimate the highest amp draw at one given time. Also, state whether you need 120V or 240V or both. This info will help us size the inverter.

2ND: Calculate total approximate amps needed in a 24 hour period. This will assist us with calculating the number of batteries and panels needed.

3RD: note whether you will be completely off grid, using grid power or generator power when available.

4TH: Calculate the amount of space available for panels



Solar Charge Controllers

The solar battery charge controller by AIMS Power features an automatic smart tracking algorithm using MPPT charging technology and has less power loss performing at 97.5-99% efficiency, maximizing energy harvest. The AIMS charge controller includes LED indicators to show charging status and faults. An LCD displays key information such as battery voltage, solar panel voltage, solar panel charging current and charge mode.



FEATURES:

- MPPT technology: Maximum Power Point Tracking
- Quality heatsink cooling – no fans needed and no thermal derating
- Battery type selector and user defined charging voltage
- 4 stage charging for gel, sealed, AGM, flooded, lithium and user defined
- Includes battery temperature sensor
- PV input, battery output, and DC load control ports
- Stackable
- Reliable electronics, over engineered components generating less heat
- Very efficient up to 99%
- Low self consumption
- Thermal design rugged case
- Overload, short circuit, high and low voltage, and over temp protections
- Max PV open circuit voltage: 155Vdc
- RS485 port for computer monitoring (not included on the 10 & 30amp)
- CE, ETL to UL1471 and RoHS compliant
- Conformal coated for marine environments
- Mounting holes



SOLAR CHARGE CONTROLLER	MODEL #
10 AMP PWM 12V/24V USB/ Adjustable Charging Settings / Compact	SCC10
30 AMP PWM 12V/24V Economical	SCC30A
30 AMP MPPT 12/24/36/48V Adjustable Charging Settings Stackable	SCC30AMPPT
40 AMP MPPT 12/24/36/48V Adjustable Charging Settings Stackable	SCC40AMPPT
60 AMP MPPT 12/24/36/48V Adjustable Charging Settings Stackable	SCC60AMPPT
80 AMP MPPT 12/24/36/48V Adjustable Charging Settings Stackable	SCC80AMPPT
100 AMP MPPT 12/24/36/48V Adjustable Charging Settings Stackable	SCC100AMPPT



Your complete source for solar off grid & back up power solutions.

AIMS Power is a complete provider of DC to AC inverters, inverter chargers, solar panels, deep-cycle batteries, generators, cables, and related green energy products in the United States and throughout the world.

Our mission is to lead the inverter industry in design and development by providing the highest quality products possible in the world of off-grid and renewable energy, and back that up with the best customer service and tech support in the business.



FLEXIBLE POWER



775.359.6703



Power your equipment remotely with an AIMS Power solar panel

Our 60- to 275-watt solar panels are made of advanced monocrystalline or polycrystalline material for efficient energy harvest. Our portable, foldable and flexible solar panels are generally made of monocrystalline and are water-resistant so you can use them anywhere, while our stationary solar panels are made of long-lasting polycrystalline and have tempered glass covers to protect the panels from inclement weather.

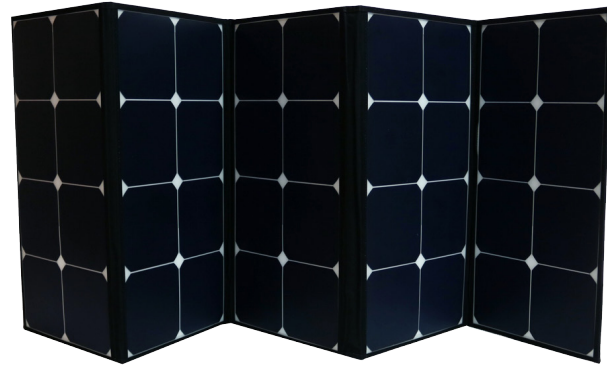
Flexible Solar



- 60 & 130 Watt
- Flexible, bendable and thin solar panel
- Rugged and durable
- Easy to install and works with any application
- Built for uneven and curved surfaces
- No custom mounting needed
- Versatile panel can be used in non-permanent or permanent applications
- Built for outdoor use
- Primarily used to charge batteries for back up power systems
- Whether you want some extra power on your golf cart or a weekend camping trip, these panels will get the job done without the hassle of complicated mounting systems
- Includes a 10 year warranty
- Part #: PV60SLIM | PV130SLIM



Foldable Solar



- 60 & 130 Watt
- Foldable and portable solar panel w/ built-in carrying case
- Made with high quality monocrystalline solar cells and a water resistant rugged case
- Portable solar power panel quickly folds and unfolds into a compact carrying case
- Easy set-up and storage
- Convenient
- Zipper pocket to store a small charge controller
- Foldable panel also includes a built in 6 foot charge controller wire allowing for quick connection to various size charge controllers
- Carrying case is water resistant, includes a comfortable rubber handle and secures using side release plastic buckles
- Backed by a 10 year warranty, this portable solar panel is a must for every remote application needing power
- Easy to move between vehicles
- Part #: PV60CASE | PV130CASE



Built in charge controller wire and storage pocket



Compact for easy storage



Durable rugged case



Use flat or curved for uneven surfaces



Adjustable legs for optimal sunlight

Rigid Solar

The AIMS Power polycrystalline solar panels are made of high quality silicon crystal "seed". The solar cells are high transmission and textured glass producing a more efficient panel.

- 120 & 275 Watt
- Polycrystalline aluminium frame panels
- EVA resin
- Weatherproof film
- Economical
- Aluminium frame for long term outdoor use
- Tempered glass
- Part #: PV120POLY | PV275POLY



Solar Racks | Mounts

There are several ways and places to mount solar panels. At AIMS Power, we offer the best options for your application. From ground mount racks to adjustable brackets, we've got you covered! Our high quality, durable mounts are built to last.



SOLAR RACKS	PART #
Ground Mount Rack for 120-170 Watt Panels	PV120RACK
Ground Mount Rack for 250-310 Watt Panels	PV250RACK
Single Pole Mount Rack for 250-330 Watt Panels	PV250POLE
Universal Pop-Up Adjustable Bracket	PV-ADJ
Pole Mount Attachment Single Panel	PV-1X130POLE
Pole Mount Attachment Dual Panels	PV-2X130POLE

Solar Accessories & PV Wire

AIMS Power has everything you need to complete your solar setup, with UL listed solar PV wire, combiner boxes, solar panel connectors, brackets, disconnect switch, and racks. All AIMS Power's accessories have been carefully selected and are compatible with all solar products.



SOLAR ACCESSORIES	MODEL #
PV DC Quick Disconnect Switch 1000V 64A	DC1600V32A210
Combiner Box Prewired 3 String 60A 200Vdc 10KW	COM3ING60A
Combiner Box Prewired 6 String 120A 200Vdc 20KW	COM6IN120A
MC4 Connectors Male & Female	MC4F & MC4M
Branch Connectors MMF & FFM Pair	PVBRANCHPR2-1
Branch Connectors MMMF & FFFM Pair	PVBRANCHPR3-1
Z Brackets Aluminum 4 Piece Set	PV-ALBRACKET
Double Cable Waterproof Entry Gland	PV-2WEG

PV WIRE DESCRIPTION 10 AWG UL LISTED - ALL CUSTOM CUT TO PREFERRED LENGTHS
BARE END TO BARE END
BARE END TO LUGGED END
BARE END TO FEMALE MC4 CONNECTOR
BARE END TO MALE MC4 CONNECTOR
LUGGED END TO LUGGED END
FEMALE TO MALE MC4 ENDS
CUSTOM CUT EXTENDERS