



KEEP BATTERIES ALIVE AND HEALTHY, ENGINE-OFF

**RWS
70W &
140W**

HEAVY DUTY SOLAR CHARGER & JUMP START AVOIDANCE

PATENTED DESIGN, MILITARY GRADE, SOLAR SOLUTIONS OPTIMIZED FOR CONSTRUCTION AND AGRICULTURAL EQUIPMENT

TECHNOLOGY

Industry Leading Power Output | Enhanced Performance Under all Light Conditions | Designed and Engineered in USA | Outstanding Aesthetics | Redundancy by Design | Robust Module Integrity and Performance Under Extreme Conditions | Military Grade Design, Materials and Approvals

PRODUCT FEATURES

Peel & Stick easy to Install Heavy Duty Solar Charger | Jump Start Avoidance | Battery Management Maintenance Free | Fully Integrated Solution with Patented Design, Optimized for Maximum Performance in scattered light & extreme weather conditions with Integrated charge controller.



CUSTOMER BENEFITS

Solar systems can save fuel, effectively eliminate jump starts, extend battery life, increase reliability and increase power available to offset parasitic loads. It also generates the extra power to reduce auto-start features. Vehicles can sit for days and weeks engine-off while panels keep the batteries alive and healthy. *Impressive ROI numbers, Customer Validated, with Thousands of Deployments in North America and Asia.*

GRID PATENTED TECHNOLOGY: FLEXIBLE – RUGGED – LIGHTWEIGHT – MONO cSi



80% Lighter
than Glass



50X More Durable
vs. Bus-Bar Technology



20% More Energy
In Real World Conditions



2.5X Power Density
vs. Thin Film Technology

CUSTOMER BENEFITS

- Increase Profits
- Reduce Operating Expenses
- Reduce Cost of Ownership
- Eliminate Jump Starts
- Minimize use of Auto-Start Feature
- Reduce Maintenance Expenses
- Reduce Vehicle Downtime
- Increase Fuel Savings

RWS 70W & 140W JUMP START AVOIDANCE TECHNICAL FEATURES

- RWS 70W or 140W Configuration
- Peel & Stick Simple Installation – DIY Friendly
- Optimized Charge Controller for low-light and extreme weather conditions included for all makes and models.
- Hardware Wiring Kit included for all makes and models
- OPTIONAL
 - Power Monitoring System
 - Live data tracking with GPS location
 - Know your fleet battery voltage at all times
 - Set alerts based on performance & potential issues

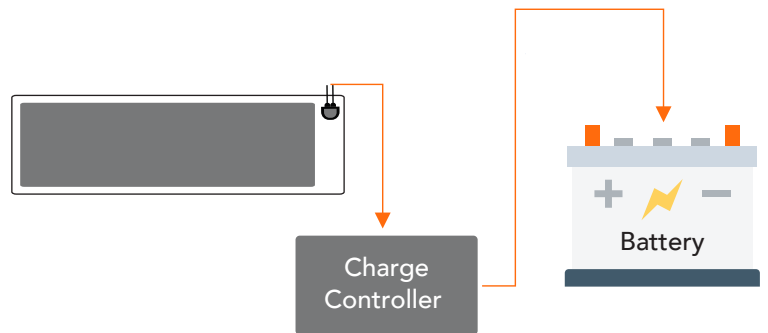


TECHNICAL SPECS

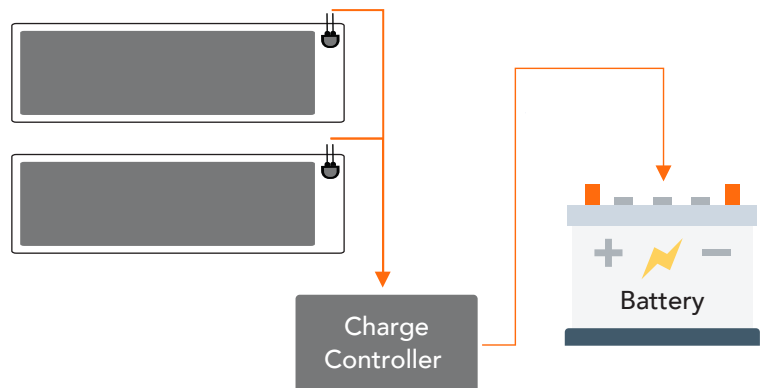
Cell Type	PERC	PERC
Rated Pmax	70 Watts	140 Watts
Voltage Pmax	33.3 Vdc	66.6 Vdc
Current Imp	2.1 Amp	2.1 Amp
Voc	37.5 Vdc	75.0 Vdc
Isc	2.3 Amp	2.3 Amp
Active Area Efficiency	19.4 %	19.4 %
Battery Voltage	12V/24V	12V/24V
Charging Algorithm	3-Stage	3-Stage
Datalogging	Optional	Optional

1. Specifications are subject to change
2. At the junction box area panel is 21mm high

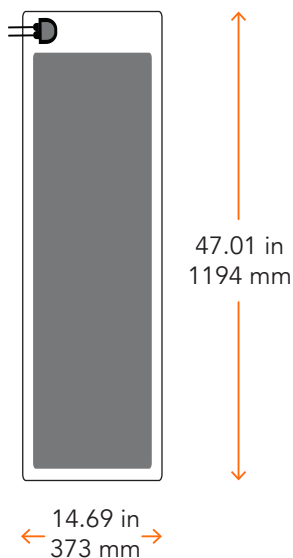
RWS 70W SCHEMATIC CIRCUIT



RWS 140W SCHEMATIC CIRCUIT



RWS70
Weight 4.5 lbs | 2.04 kg



UL Standard 1703
Testing: Passed

IEC 61215/61730
Testing: Passed