



## 100W Solar Battery Maintainer System

Ideal for vehicles that are powered off for extended periods and for vehicles with liftgates, lighting, monitoring equipment, or other auxiliary systems that run on batteries.

### **BENEFITS AND SAVINGS:**

- Eliminates jump starts due to dead batteries
- Extends battery life by maintaining optimum voltage
- Increases the number of operating cycles per day
- Reduces idling and associated fuel costs
- Lowers maintenance costs and reduces wear on alternator
- Helps you comply with all anti-idling regulations
- Reduces battery bank size
- Eliminates down time

Eligible for the 30% solar tax credit

### **SYSTEM OVERVIEW:**

eNow systems work with any type of battery, and can be mounted on tractors or trailers, or both. Our patented, advanced technology and experience in solar power means our systems are durable, efficient, and optimized for the transportation industry.

eNow systems include a “smart” MPPT charge controller that continually monitors battery voltage and temperature – so it always delivers the correct charge to the battery. This feature protects batteries from overcharge or surges, and dramatically extends battery life, while reducing downtime from dead batteries.



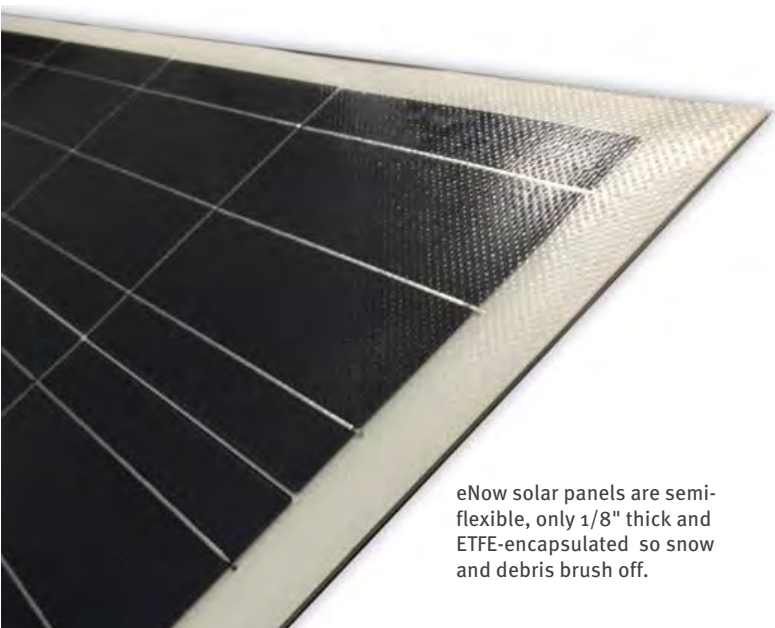
# ENOW PANELS ARE UNIQUELY LAYERED POLYMER STRUCTURES\*

- Lightweight and flexible
- Incorporates Teflon in the outer layer, so snow and debris brush off
- Rugged; will stand up to truck washes, snow removal, low branches
- Salt and corrosion resistant
- Aerodynamic – just 0.125-inch thick
- Maintain high performance in low-light conditions

\* Our technology is proprietary, patented, and unique to eNow.

DOWNLOAD CASE STUDIES, TEST DATA AND MORE INFORMATION ABOUT eNOW SOLAR-BASED POWER SYSTEMS AT [ENOWENERGY.COM](http://ENOWENERGY.COM)

NOTE: due to our ongoing innovation and product enhancement, specifications are subject to change without notice. Please ensure you have the current data sheet.



eNow solar panels are semi-flexible, only 1/8" thick and ETFE-encapsulated so snow and debris brush off.

## SPECIFICATIONS

Most applications require one solar panel. To power multiple auxiliary systems, a series of panels or one of our larger panels can further improve battery-charging performance.

## SYSTEM INCLUDES

eNow panel, wiring harness, charge controller  
5-year warranty

### PANEL

Description:	100 Watts
Type of Cells:	Multi-crystalline cells
Junction Box Location:	Top-mounted
Installation:	Adhesive-back permanent mounting
Dimensions:	42.5" x 26" x 0.125" [1080 x 660 x 3.2mm]
Weight:	8.0 pounds (with adhesive) [3.6kg]

### CHARGE CONTROLLER

Nominal Battery Charge:	12 VDC
Max. PV Input Power:	100W
Battery Charging Profile:	3 Mode Charging - (bulk, absorption, float)
Charger Control Algorithm:	Maximum Power Point Tracking (MPPT)
Dimensions:	3" x 5" x 1.5"
Weight:	1.2 lbs.
Operating Temperature:	-40 to +122°F (-40 to +50°C)
Also included:	Wiring harness (to length required), fuses



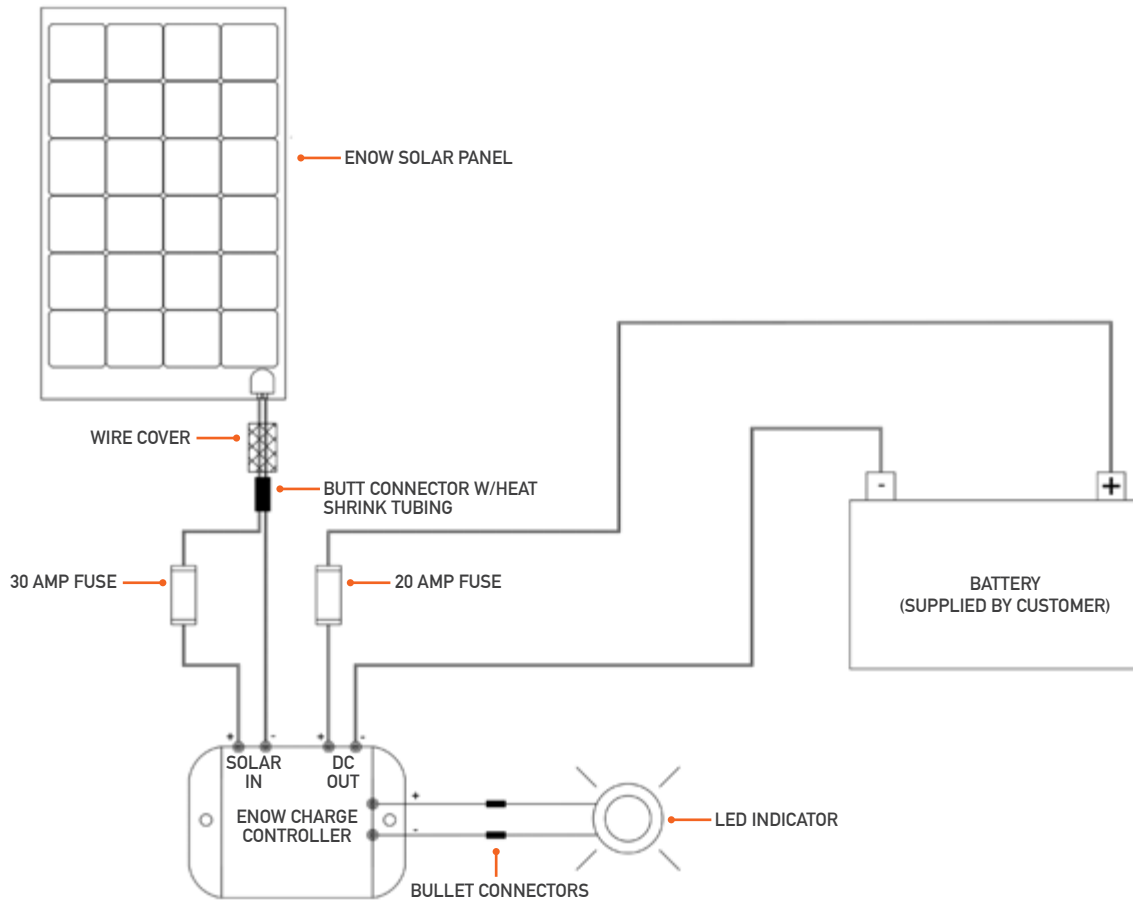
eNow "smart" MPPT charge controllers capture more energy from the solar panel, particularly in changing conditions like shadows and low light. They are also waterproof so they can be mounted in most any location on tractors or trailers.

# eNow

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## eNow K10100 Solar System Specifications



eNow solar panels are thin, lightweight, and flexible. They easily conform to roof contours, and, because they are mounted with adhesives, roof penetrations are minimized. Our eNow charge controller means the system is highly reliable; built-in safety features include protection against short circuit, overload, surge, and reverse current.

The eNow installation kit includes all the necessary parts for installation.  
The installer need only provide shop supplies and tools.

### KIT COMPONENTS

100 watt multi-crystalline cell configuration solar panel,  
adhesive backed w/top-mounted junction box

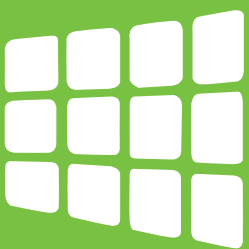
Charge controller system

Wiring harness, fuses, wire mold, misc. hardware to complete installation

Installation instructions

5-year warranty – including parts and labor

Illustration: \*For illustrative purposes only. Not for installation. May not be reproduced in whole or in part without written permission of eNow, Inc.







## DETAILED SPECIFICATIONS

PANEL		SOLAR CHARGE CONTROLLER	
Description:	100 Watts	Nominal battery voltage:	12 VDC
Type of Cells:	Multi-crystalline cells	Maximum PV input power:	100 W
Junction Box Location:	Top-mounted	Battery charging profile:	3 mode charging - (bulk, absorption and float)
Installation:	Adhesive-back permanent mounting	Charger control algorithm:	Maximum Power Point Tracking (MPPT)
Voltage maximum power (Vmp):	6.2 VDC	Solar input voltage range:	5 - 8.5 VDC
Voltage open circuit (Voc):	7.7 VDC (max. solar side system voltage)	Maximum PV open circuit voltage:	8.5 VDC
Current at maximum power (Imp):	16.4 A	Maximum PV current:	18.6 Amps DC
Short circuit current (Isc):	17.7 A	Input over voltage protection:	> 9.5 VDC (charger shuts down until voltage returns to 9.5 VDC)
Panel dimensions:	42.5" x 26" x 0.125" [1080 x 660 x 3.2mm]	Minimum output operating voltage:	10 VDC
Panel weight:	8.0 pounds (with adhesive) [3.6kg]	Maximum output voltage*:	14.2 VDC
		Output over voltage protection:	14.2 VDC
		Maximum charge current:	9 Amps DC
		Float voltage:	13.5 VDC (programmed by battery type)
		Standby power:	6-10 mA
		Operating temperature:	-40 to +122°F [-40 to +50°C]
		Solar input fuse:	ATO, 30 A, 32 V
		Battery output fuse:	ATO, 20 A, 32 V
		Controller dimensions:	3" x 5" x 1.5"
		Controller weight:	1.2 pounds

## POWERING POSSIBILITIES

eNow solar is an innovative, clean, quiet, and easy-to-use system that maintains consistent battery charge without idling the engine.

CONTACT US TODAY TO LEARN MORE [ENOWENERGY.COM](http://ENOWENERGY.COM)

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