

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 22% solar investment tax credit (as of Jan. 2021)

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*

- o 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

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

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 100W solar panel, wiring harness, MPPT charge controller, fuses and 1-year warranty

PANEL

Description: Type of Cells: Iunction Box Location: Installation: **Dimensions:**

100 Watts Multi-crystalline cells Top-mounted Adhesive-back permanent mounting 42.5" X 26" X 0.125" [1080 x 660 x 3.2mm] 8.0 pounds (with adhesive) [3.6kg]

Weight:

CHARGE CONTROLLER

Nominal Battery Charge: Max. PV Input Power: Battery Charging Profile:

Dimensions: Weight: Operating Temperature:

Also included:

12 VDC 100W 3 Mode Charging -(bulk, absorption, float) Charger Control Algorithm: Maximum Power Point Tracking (MPPT) 3" X 5" X 1.5" 1.2 lbs. -40 t0 +122°F (-40 to +50°C) 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

eNow solar panels are semiflexible, only 1/8" thick and

ETFE-encapsulated so snow

and debris brush off.

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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

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

Description: Type of Cells: Junction Box Location: Installation:

Voltage maximum power (Vmp): Voltage open circuit (Voc): 100 Watts

mounting

6.2 VDC

16.4 A

17.7 A

[3.6kg]

Top-mounted

system voltage)

42.5" X 26" X 0.125"

[1080 x 660 x 3.2mm]

8.0 pounds (with adhesive)

Multi-crystalline cells

Adhesive-back permanent

7.7 VDC (max. solar side

Current at maximum power (Imp): Short circuit current (Isc): Panel dimensions:

Panel weight:

POWERING POSSIBILITIES

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

SOLAR CHARGE CONTROLLER

Nominal battery voltage: Maximum PV input power: Battery charging profile:

Charger control algorithm:

Solar input voltage range: Maximum PV open circuit voltage: Maximum PV current: Input over voltage protection:

Minimum output operating voltage: Maximum output voltage*: Output over voltage protection: Maximum charge current: Float voltage:

Standby power: Operating temperature: Solar input fuse: Battery output fuse: Controller dimensions: Controller weight: 12 VDC 100 W 3 mode charging - (bulk, absorption and float) Maximum Power Point Tracking (MPPT) 5 - 8.5 VDC 8.5 VDC 18.6 Amps DC > 9.5 VDC (charger shuts down until voltage returns to 9.5 VDC) 10 VDC 14.2 VDC 14.2 VDC 9 Amps DC 13.5 VDC (programmed by battery type) 6-10 mA -40 to +122°F [-40 to +50°C] ATO, 30 A, 32 V ATO, 20 A, 32 V 3" x 5" x 1.5" 1.2 pounds

CONTACT US TODAY TO LEARN MORE ENOWENERGY.COM

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