



Courtesy of Mesilla Valley Transportation



eNow 330 Watt Solar Battery Charging System

eNOW WILL CHARGE YOUR BATTERIES AND:

- Save money on fuel by eliminating idling
- Extend run time for auxiliary equipment by maintaining optimal battery charge regardless of engine use
- Extend HVAC (electric APU) run time to 14+ hours
- Reduce battery replacement costs by extending battery life
- Reduce wear on the alternator, lowering maintenance costs
- Eliminate maintenance calls due to dead batteries
- Comply with anti-idling regulations

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

The eNow system works with any type of battery to provide energy for any auxiliary system from any manufacturer. It can be mounted on the tractor or trailer, or both. eNow's focus on engineering, manufacturing, and solar technology means that our systems are durable, reliable, and efficient, and fully optimized for the transportation industry.

Every eNow system is a "smart" system that includes our proprietary MPPT charge controller — which protects batteries from overcharge or surges, and directs power where needed (to the crank battery, for example). Also waterproof, the eNow charge controller can be mounted in a wide range of locations on the tractor or trailer.

“By adding eNow solar, we increased battery life from 6 months to 2 years. We also saved approximately 3 gallons of fuel per day and decreased our maintenance costs due to the reduction in engine idling.”

— ROYAL JONES, MESILLA VALLEY TRANSPORTATION

eNOW PANELS ARE LAYERED POLYMER STRUCTURES

- Lightweight and flexible
- Incorporates ETFE 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 0.2-inch thick
- Maintains high performance in low-light conditions

Since we are the manufacturer, our technology is proprietary, patented, and unique to eNow.



SPECIFICATIONS

Most applications require a single solar panel. To power a combination of auxiliary systems (for example, HVAC plus liftgate) a series of panels can further improve battery-charging performance.

SYSTEM INCLUDES

eNow 330W solar panel, wiring harness, MPPT charge controller, disconnect switch, fuses, 1-year warranty

PANEL

Description:	330 Watts
Type of Cells:	Mono-crystalline cells (72 cells)
Junction Box Location:	Top-mounted
Installation:	Adhesive-back permanent mounting
Dimensions:	77.44" x 42.67" x 0.2" [1968 x 1082 x 5.08 mm]
Weight with adhesive:	~20 lbs (with adhesive) [~9.1 kg]

CHARGE CONTROLLER

Nominal Battery Charge:	12 VDC and 24 VDC, autosensing
Max. PV Input Power:	325 W for 12 VDC, 650 W for 24 VDC operation
Battery Charging Profile:	4 Mode Charging (bulk, absorption, float & equalization)
Charger Control Algorithm:	Maximum Power Point Tracking (MPPT)
Dimensions:	6" x 5" x 1.65"
Weight:	2.5 lbs.
Operating Temperature:	-40 to +140°F (-40 to +60°C)
Also included:	Wiring harness (to length required), disconnect switch, fuses, wire mold (as required)

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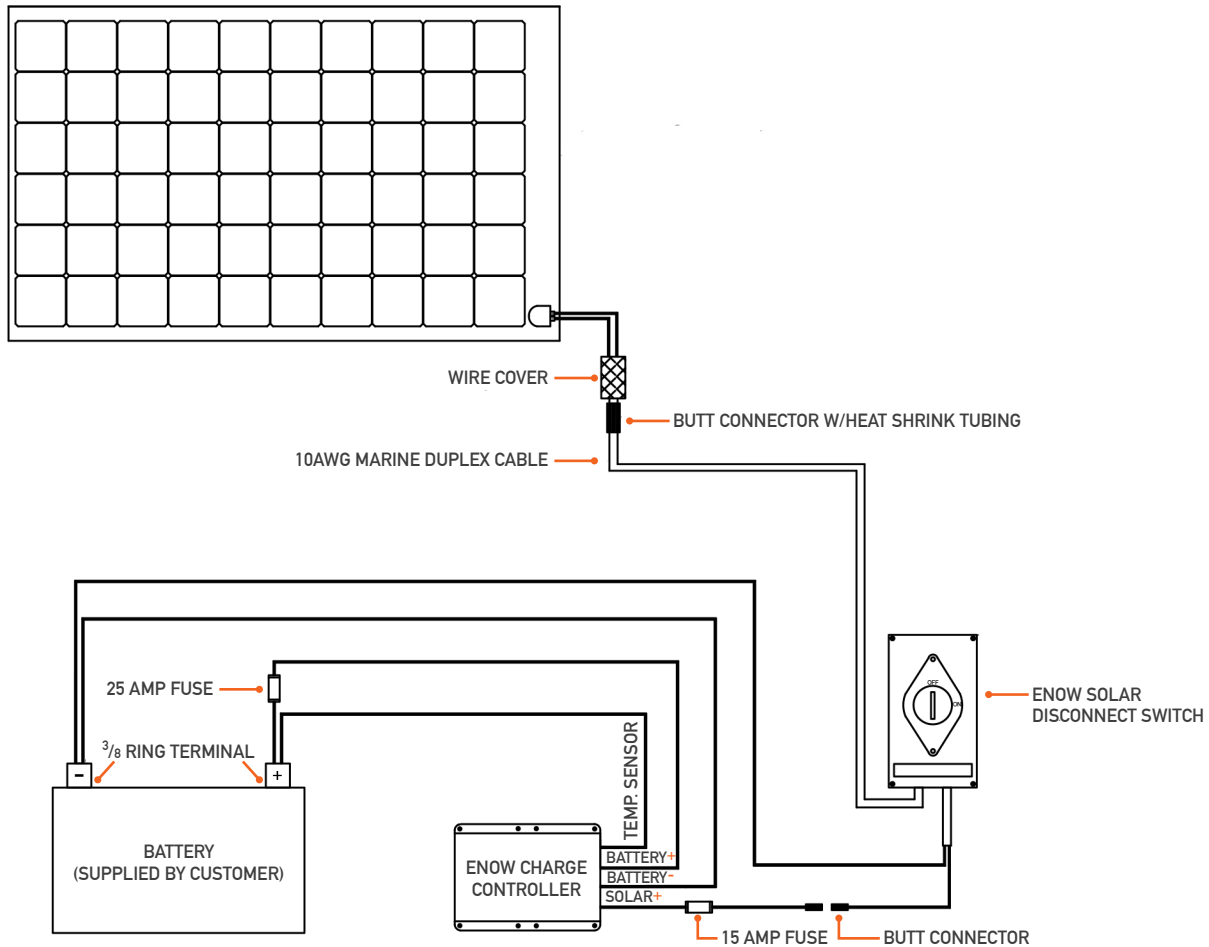
Due to ongoing innovation and product enhancement, specifications are subject to change without notice. Please ensure you have the current datasheet.



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eNow 330 watt Solar System Specifications



eNow solar panels are thin, lightweight, and flexible. They easily conform to roof contours, and, because the panels are mounted with adhesives, roof penetrations are minimized. Because the system includes the eNow charge controller, 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

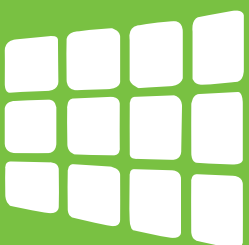
330 watt solar panel (with adhesive applied) and top-mounted junction box

MPPT charge controller with temperature sensor

Wiring harness, fuses, quick disconnect circuit breaker, wire mold, misc. hardware to complete installation

Installation instructions

Drawing of tractor install is 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:	330 Watts	Nominal battery voltage:	12 VDC and 24 VDC autosensing
Type of Cells:	Mono-crystalline cells (72)	Maximum PV input power:	325 W for 12 VDC 650 W for 24 VDC
Junction Box Location:	Top-mounted	Battery charging profile:	4 Mode Charging (bulk, absorption, float & equalization)
Installation:	Adhesive-back permanent mounting	Charger control algorithm:	Maximum Power Point Tracking (MPPT)
Voltage maximum power (Vmp):	38.43 VDC	Solar input voltage range:	17-85 VDC for 12 VDC 34-85 VDC for 24 VDC
Voltage open circuit (Voc):	46.02 VDC	Maximum PV open circuit voltage:	85 VDC
Current at maximum power (Imp):	8.59 Amps	Maximum PV current:	20 Amps DC
Short circuit current (Isc):	9.31 Amps	Input over voltage protection:	> 100 VDC (MPPT stops operation at 85 VDC)
Panel dimensions:	77.44" x 42.67" x 0.125" [1968 x 1082 x 5.08 mm]	Minimum output operating voltage:	9 VDC
Panel weight with adhesive:	~20 lbs [-9.1 kg]	Maximum output voltage*:	15.5 VDC for 12 VDC 31.0 VDC for 24 VDC
		Output over voltage protection:	15.5 VDC for 12 VDC 31 VDC for 24 VDC
		Maximum charge current:	20 Amps DC
		Float voltage*:	13.8 VDC for 12 VDC 27.6 VDC for 24 VDC
		Standby power:	7-15 W
		Operating temperature:	-40 to +140°F [-40 to +60°C]
		Solar input fuse:	ATO, 15 A, 58 V, fast blow
		Battery output fuse:	ATO, 25 A, 32 V
		Controller dimensions:	6 x 5 x 1.65"
		Controller weight:	2.5 pounds
		*Programmed by battery type	

POWERING POSSIBILITIES™

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

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