Solar Charging Systems for Liftgate 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 alternator wear
- Helps you comply with all anti-idling regulations
- Reduces battery bank size
- Eliminates down time

Eligible for the 26% solar tax credit (as of January 2021)

SYSTEMS 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.

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.

SYSTEM SELECTION GUIDE:

Most liftgate battery charging applications require a single eNow solar panel: either 110 or 360* watts depending on liftgate operation and power requirements.

A truck or trailer's anticipated liftgate activity will help determine the optimal eNow solar system. If the liftgate's usage will vary, be sure to choose a system that will deliver enough power for the heaviest period of activity.

	eNow System	
Liftgate Activity:	**110W**	**360W**
Light-duty / Irregular use: Used 2 days per week, often parked in distribution center or used as overflow trailer	Good	
Average-use: Used 5 days a week with moderate size loads		Better
Heavy-duty use: For liftgates with high activity and heavy loads; trailers with two liftgates		Best

110-Watt Panel: 74.8 X 14.8"

360-Watt Panel 77.3 X 41.4"

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110 WATT SYSTEM

System includes: eNow 110 watt solar panel, charge controller, wiring harness, disconnect switch, fuses and installation instructions

1-year warranty

PANEL

Description:	110 Watts
Type of Cells:	Monocrystalline cells
Junction Box Location:	Top-mounted
Installation:	Adhesive-back permanent mounting
Dimensions:	74.80” x 14.80” x 0.125”
Weight:	5.84 pounds

CHARGE CONTROLLER

Nominal Battery Charge:	12 VDC
Max. Charge Power:	110W
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

360 WATT SYSTEM

System includes: eNow 360 watt solar panel, charge controller, wiring harness, disconnect switch, fuses and installation instructions.

1-year warranty

PANEL

Description:	360 Watts
Type of Cells:	Multi-crystalline cells
Junction Box Location:	Top-mounted
Installation:	Adhesive-back permanent mounting
Dimensions:	77.28” x 41.38” x 0.125”
Weight:	17.97 lbs

CHARGE CONTROLLER

Nominal Battery Charge:	12 VDC and 24 VDC, autosensing
Max. Charge Power:	390 W for 12 VDC, 780 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)

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

ENOW PANELS ARE UNIQUELY LAYERED POLYMER STRUCTURES

- Thin, lightweight, semi-flexible, aerodynamic
- ETFE outer layer, so snow and debris brush off
- Rugged, stands up to truck washes, snow removal, low branches
- Salt and corrosion resistant
- Permanent, adhesive-back mounted
- Maintains high performance in low-light

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

205 Hallene Road, Warwick, RI 02886 P: 401 732 7080 F: 866 935 4883 E: info@enowenergy.com

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