



## Solar Charging Systems for Liftgate 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.

### **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 22% 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.

No More Dead Liftgate Batteries. All-Day Liftgate Power.

# SYSTEM SELECTION GUIDE

Most liftgate battery charging applications require a single eNow solar panel: either 100, 260 or 310 watts depending on liftgate operation and power requirements.

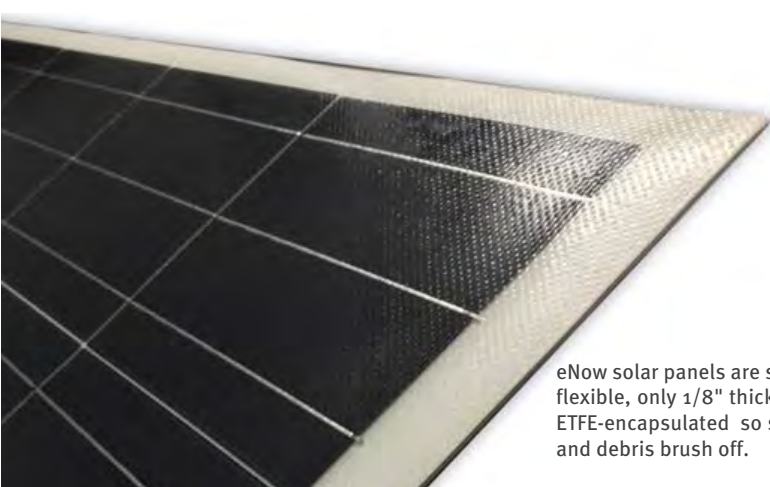
A truck or trailer's anticipated liftgate activity will help determine the optimal eNow solar system. If the liftgate's usage will vary, be sure to choose a system that will deliver enough power for the heaviest period of activity.

Liftgate Activity:	eNow Solar System		
	100W	260W	310W
<b>Light-duty / Irregular use:</b> Used 2 days per week, often parked in distribution center or used as overflow trailer	<b>Good</b>	<b>Best</b>	
<b>Average-use:</b> Used 5 days a week with moderate size loads		<b>Good</b>	<b>Best</b>
<b>Heavy-duty use:</b> For liftgates with high activity and heavy loads; trailers with two liftgates			<b>Best</b>

## 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.



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

## 100 WATT SYSTEM

System includes: eNow 100 watt solar panel, charge controller, wiring harness, disconnect switch, fuses and installation instructions

1-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.

*Above: 100 watt system charge controller*

## 260 WATT SYSTEM

System includes: eNow 260 watt solar panel, charge controller, wiring harness, disconnect switch, fuses and installation instructions.

1-year warranty

### PANEL

Description:	260 Watts
Type of Cells:	Multi-crystalline cells
Junction Box Location:	Top-mounted
Installation:	Adhesive-back permanent mounting
Dimensions:	66.1 x 38.8 x .125 [1678 x 986 x 3.2]
Weight:	17.5 lbs (with adhesive) [7.9 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)

## 310 WATT SYSTEM

System includes: eNow 310 watt solar panel, charge controller, wiring harness, disconnect switch, fuses and installation instructions.

1-year warranty

### PANEL

Description:	310 Watts
Type of Cells:	Multi-crystalline cells
Junction Box Location:	Top-mounted
Installation:	Adhesive-back permanent mounting
Dimensions:	78.5" x 39.2" x 0.125" [1994 x 996 x 3.2mm]
Weight:	19.6 lbs (with adhesive) [8.9 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)

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



Above: 260 and 310 watt system charge controller

## POWERING POSSIBILITIES

eNow solar-based auxiliary battery charging systems are innovative, clean, quiet, and easy-to-use. They lower operating costs by maintaining a consistent battery charge without idling the engine.

LEARN MORE AT [ENOWENERGY.COM](http://ENOWENERGY.COM)

**enow**<sup>TM</sup>

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