

## MiaSolé SolarRide Transportation Solution

SolarRide™ provides auxiliary power when the truck engine is on and when it is off, providing fuel savings and improved battery life

### FLEX solar modules

#### Components:

- FLEX solar modules
- Charge Controller
- Cables



MiaSolé, the producer of powerful, lightweight and flexible solar cells and modules, has developed a solar solution specifically for trucks and other forms of transportation. The SolarRide™ transportation solution is comprised of solar modules and a charge controller that ensures you receive the maximum benefit from your solar investment.

#### SolarRide auxiliary power allows you to:

- **Reduce Fuel Consumption.** Use solar energy instead of gas to power auxiliary systems
- **Reduce Maintenance Costs.** Running the truck engine less results in decreased intervals for scheduled maintenance.
- **Reduce Emissions.** Using clean solar power instead of fuel reduces emissions to help truckers comply with environmental regulations
- **Provide Stand-by Power.** Use solar energy for standby power without running the engine.
- **Provide Power to Truck De-icing Systems.** De-ice the truck with solar energy instead of fuel



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## Power many systems

- **Safety Lighting.** Supply power for safety lights on light duty road construction and service vehicles.
- **Liftgate.** Supply auxiliary power to liftgate batteries ensuring gate operation through the full delivery cycle and a decrease of tractor or reefer charging, resulting in reduced fuel consumption and extended battery life.
- **No-idle HVAC.** Eliminate fuel consumption associated with diesel-powered APUs. Reduce additional load on engine alternator resulting in decreased fuel consumption and lower engine maintenance cost.
- **Refrigeration.** Supply power to keep cold-plate storage systems charged or to run evaporator fans while in operation, resulting in extended daily range, reduced fuel consumption, and lower engine maintenance cost.

## Flex Solar Modules

The FLEX Series module is a CIGS-based flexible thin-film solar module that is thin, flexible, shatterproof and provides one of the highest efficiencies on the market today, at up to 17%.

FLEX modules provide the following benefits for transportation:

- Adhere directly to the roof with no roof penetrations, eliminating the risk of leaks
- Thin modules offer superior wind resistance
- Shatterproof and durable
- Low weight

## Customizable

FLEX modules are available in a variety of lengths and widths, providing a customized solution for your cab, trailer or box truck.

## Charge Controller Options

		8 Amp		10 Amp		15 Amp		20 Amp		60 Amp			
Battery Voltage	[V]	12V	24V	12V	24V	12V	24V	12V	24V	12V	24V	36V	48V
Maximum Solar Power	[W]	105W	210W	150W	300W	200W	400W	250W	500W	800W	1600W	2400W	3200W
Maximum Charging Current	[A]	8		10		15		20		60			



## Contact Us

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