



Solar North - 150W Solar Kit



Part #: M75-SOLAR-000N

TraffiCalm Solar Kits M75-SOLAR-000N

FEATURES

- Complete kit includes Solar Panel, Panel Rack, Battery Box and heavy-duty mounting bracket, Battery(s), Solar Controller, and Conduit-Enclosed Wiring
- Easy installation using industry standard hardware and mounting techniques
- Smart solar controller maximizes charging and usage based on temperature and solar input
- Highly efficient solar panels make the most of available sunlight, even in low light conditions
- Engineered to compliment the TraffiCalm product line. Consistent connectors and fasteners compatible with all TraffiCalm DFB signs
- Site-specific Solar Sizing Estimate available upon request.
- Unlimited technical support
- 3 year limited warranty, 1 year on battery(s)
- Made in America



Why TraffiCalm?

- UL/ULC listed products available
- ISO 9001:2008 Certified USA based manufacturing facility
- All signs 100% MUTCD compliant
- Vandal resistant designs
- Broadest range of sizes and options in the industry
- Industry leading turnaround from order to delivery
- Unlimited tech support and customer service from our USA facility
- Industry Pioneers in Radar Driver Feedback Technology

SPECIFICATIONS

M75-SOLAR-000N

Battery Box Dimensions: 35.5" x 11.0" x 8.2" (HxWxD)
 Solar Panel Dimensions: 59.06" x 26.57" x 1.97" (LxWxD)
 Total System Weight: 167 Lbs, includes qty 4- 35Ah batteries, battery box w/ contents, solar panel, and solar panel rack
 Construction: 1/16" (.06, 1.58mm) thick aluminum Weatherproof NEMA 3R battery housing, heavy-duty mounting brackets standard. Provisions for locking in place are provided with key included; replacement keys available upon request. Standard DOT powder coat green color (addition colors optional)

Solar Panel Power Specs:

Maximum Power (PMax): 150W
 Voltage at PMax (Vmp): 18.5V
 Current at PMax (Imp): 8.11A
 Open Circuit Voltage (Voc): 22.2V
 Short-circuit Current (Isc): 8.68A
 Temp. Coefficient of Voc: $-(80\pm 10)mV/^{\circ}C$
 Temp. Coefficient of Isc: $(0.065\pm 0.015)\%/^{\circ}C$
 Temp. Coefficient of power: $-(0.5\pm 0.05)\%/^{\circ}C$
 NOCT (Air 20°C; Sun 0.8kW/m² wind 1m/s): 47±2°C
 Operating Temperature: -40°C to +85°C
 Maximum system voltage: 600V DC
 Power tolerance: ± 5%

Battery Specs, M75-SOLAR-000N includes qty 4 batteries:

12V AGM valve regulated, spill proof, high energy density, DOT approved for transport
 Nominal Voltage: 12V (6Cells)
 Nominal Capacity: 20-hr. (1.75A to 10.50V): 35Ah
 Approx. Weight: 24.7 lbs
 Energy Density: 1.70 W-h/in³
 Internal Resistance: 8 milliohms
 Max Discharge Current (7 Min.): 105.0 amperes
 Operating Temperature: Charge: -4°F to 122°F, Discharge: -40°F to 140°F
 Dimensions: 7.72" x 5.14" x 6.22" (LxWxH)

