



Solar South - 60W Solar Kit



Part #: **M75-SOLAR-000S**

FEATURES

- Complete kit includes Solar Panel, Panel Rack, Battery Box and 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 TrafficCalm product line. Consistent connectors and fasteners compatible with all TrafficCalm 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 TrafficCalm?

- 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

M75-SOLAR-000S

Battery Box Dimensions: 12.0" x 12.0" x 10.0" (HxWxD)

Solar Panel Dimensions: 25.75" x 26.57" x 1.38" (LxWxD)

Total System Weight: 69 Lbs, includes qty 1- 35Ah batteries, battery box w/ contents, solar panel, and solar panel rack

Construction: 14 guage carbon steel Weatherproof NEMA 3R battery housing, flat mount brackets standard. Provisions for padlocking. replacement keys available upon request. Standard powder coat gray color polyester finish (addition colors optional)

Solar Panel Power Specs:

Maximum Power (PMax): 60W

Voltage at PMax (Vmp): 17.8V

Current at PMax (Imp): 3.37A

Open Circuit Voltage (Voc): 22.0V

Short-circuit Current (Isc): 3.64A

Temp. Coefficient of Voc: $-(80\pm 10)\text{mV}/^\circ\text{C}$

Temp. Coefficient of Isc: $(0.065\pm 0.015)\%/^\circ\text{C}$

Temp. Coefficient of power: $-(0.5\pm 0.05)\%/^\circ\text{C}$

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-000S includes qty 1 battery



TRAFFICALMTM
Division of MOR Manufacturing
SYSTEMS