



## Solar Central - 100W Solar Kit

### TrafficCalm Solar Kits

M75-SOLAR-000C

#### 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
- 2 year limited warranty, 1 year on battery(s)
- Made in America



Part #: M75-SOLAR-000C



### 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-000C

Battery Box Dimensions: 12.0" x 12.0" x 10.0" (HxWxD)  
 Solar Panel Dimensions: 51.18" x 20.79" x 1.38" (LxWxD)  
 Total System Weight: 102 Lbs, includes qty 2- 35Ah batteries, battery box w/ contents, solar panel, and solar panel rack  
 Construction: 14 gauge 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): 100W  
 Voltage at PMax (Vmp): 17.2V  
 Current at PMax (Imp): 4.94A  
 Open Circuit Voltage (Voc): 21.6V  
 Short-circuit Current (Isc): 5.5A  
 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/m<sup>2</sup> wind 1m/s): 47±2°C  
 Operating Temperature: -40°C to +85°C  
 Maximum system voltage: 1000V DC  
 Power tolerance: ± 5%

Battery Specs, M75-SOLAR-000C includes qty 2 batteries

