



**samlexsolar®**  
A Division of Samlex America Inc.

# 90-135W



## Portable Charging Kits

Model  
MSK-90  
90 Watts  
MSK-135  
135 Watts

## Design Features

- Solar panel is pre-wired with battery clamps for a quick and easy connection, 16' cable
- Turn the panel a few times per day and increase charging by 30%
- Adjustable legs allow for maximum sun exposure
- Folding crystalline panels in anodized aluminum frames, won't rust
- Built-in 10 Amp Charge Controller manages the charge to the battery and prevents overcharging
- Automatically detects 12 or 24V battery(s), for use with all battery types
- Includes protective carrying case
- NOTE: Battery is not included

**25 YEAR POWER WARRANTY** on Solar Panels  
**2 YEAR WARRANTY** on Remaining Components

|   | MODEL NO.                          | MSK-135  | MSK-90   |
|---|------------------------------------|--|--|
| SOLAR ARRAY                                     | NOMINAL MAXIMUM POWER AT STC, Pmax | 135W (3 x 45W Panels ±3% in parallel)  | 90W (3 x 30W Panels ±3% in parallel)   |
|   | MAXIMUM POWER VOLTAGE, Vmp         | 17.5V  | 17.5V  |
|   | MAXIMUM POWER CURRENT, Imp         | 7.71A (2.57A per 45W Panel)  | 5.13A (1.71A per 30W Panel)  |
|   | OPEN CIRCUIT VOLTAGE, Voc          | 21.6V  | 21.6V  |
|   | SHORT CIRCUIT CURRENT, Isc         | 8.34A (2.78A per 45W Panel)  | 5.55A (1.85A per 30W Panel)  |
|   | TYPE OF CELLS / SIZE               | Monocrystalline  |  |
|   | NUMBER OF CELLS                    | 36 Cell per Panel  |  |
|   | MAXIMUM SYSTEM VOLTAGE             | 1000 VDC   |  |
|   | OPERATING TEMPERATURE              | - 40°C to +85°C / - 40°F to +185°F   |  |
|   | INGRESS PROTECTION (IP) RATING     | IP 65 (Waterproof)   |  |
| STANDARD TEST CONDITIONS (STC) FOR SOLAR MODULE |                                    | Irradiance Level: 1000W/m <sup>2</sup> / Spectrum: AM1.5 / Cell Temperature: 25°C / 77°F   |  |
| OTHER COMPONENTS / PARAMETERS                   | CABLE SETS FOR BATTERY             | <b>Main Cable Set:</b> 14ft cable with 50A, Anderson Type SB-50 compatible connector and 10A fuse on battery end<br><b>Adapter Set 1:</b> Anderson to Battery Clips, 2ft<br><b>Adapter Set 2:</b> Anderson to SAE Connector, 2ft |  |
|   | DIMENSIONS                         | OPEN   | 1515 x 620 x 30 mm / 59.65 x 24.41 x 1.18 in    1035 x 645 x 30 mm / 40.75 x 25.39 x 1.18 in |
|   | WEIGHT                             |  | 16.18 kg / 35.6 lb    11.45 kg / 25.2 lb   |

NOTE: Specifications are subject to change without notice.

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