

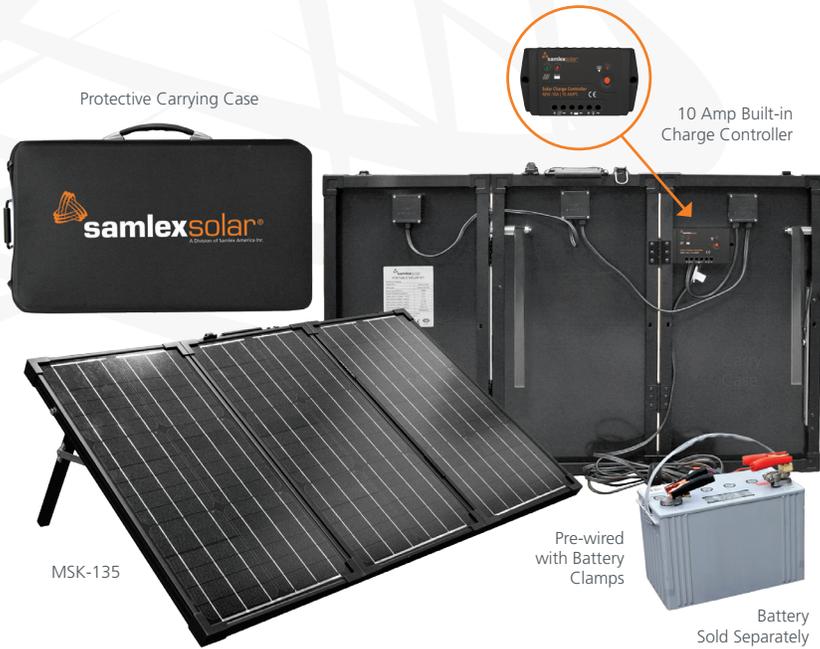


**samlexsolar®**  
A Division of Samlex America Inc.

# 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
- For 12V Lead Acid Batteries
- Includes protective carrying case
- NOTE: Battery is not included

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

	MODEL NO.	MSK-135	MSK-90
SOLAR ARRAY	NOMINAL MAXIMUM POWER AT STC, P <sub>max</sub>	135W (3 x 45W Panels ±3% in parallel)	90W (3 x 30W Panels ±3% in parallel)
	MAXIMUM POWER VOLTAGE, V <sub>mp</sub>	17.5V	17.5V
	MAXIMUM POWER CURRENT, I <sub>mp</sub>	7.71A (2.57A per 45W Panel)	5.13A (1.71A per 30W Panel)
	OPEN CIRCUIT VOLTAGE, V <sub>oc</sub>	21.6V	21.6V
	SHORT CIRCUIT CURRENT, I <sub>sc</sub>	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 pre-wired to Charge Controller. Battery end has 2-Pole, 50A Mating Type Battery Connector and 10A fuse. <b>Adapter Set 1:</b> 2-Pole, 50A Mating Type Battery Connector to Battery Clamps, 2ft <b>Adapter Set 2:</b> 2-Pole, 50A Mating Type Battery Connector 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.

12023-MSK-90-135-0415