

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

- Electronic protections: Reverse polarity, overload, short circuit, over charging, over discharging and over temperature
- Can manage up to 160W of solar power
- Includes carry case and connecting cables, 32'

	MODEL NO.	MSK-135	MSK-90
SOLAR ARRAY	NOMINAL MAXIMUM POWER AT STC, Pmax	135W (3x 45W Modules in parallel	90W (2x45W Modules in parallel)
	MAXIMUM POWER VOLTAGE, Vmp	17.4V	17.4V
	MAXIMUM POWER CURRENT, Imp	7.74A (2.58A per 45W Module)	5.16A (2.58A per 45W Module)
	OPEN CIRCUIT VOLTAGE, Voc	21.6V	21.6V
	SHORT CIRCUIT CURRENT, Isc	8.52A (2.84A per 45W Module)	5.68A (2.84A per 45W Module)
	TYPE OF CELLS / SIZE	Polycrystalline; 156mm x 156mm / 6.14 x 6.14 in	
	EFFICIENCY	16.8%	16.8%
	NUMBER OF CELLS	36 Cell per 45W Module	36 Cell per 45W Module
	MAXIMUM SYSTEM VOLTAGE	1000 VDC	1000 VDC
	OPERATING TEMPERATURE	- 40°C to +85°C / - 40°F to +185°F	- 40°C to +85°C / - 40°F to +185°F
	INGRESS PROTECTION (IP) RATING	IP 65 (Waterproof)	IP 65 (Waterproof)
	STANDARD TEST CONDITIONS (STC) FOR SOLAR MODULE	Irradiance Level: 1000W/m ² / Spectru	m: AM1.5 / Cell Temperature: 25°C / 77°
CHARGE CONTROLLER (Model: MSK-10A)	ТҮРЕ	PWM, Series Type; PWM Frequency 25 Hz	
	MAXIMUM OPEN CIRCUIT VOLTAGE (Voc) OF SOLAR ARRAY	50V	50V
	MAXIMUM SHORT CIRCUIT CURRENT Isc OF SOLAR ARRAY / MAXIMUM CHARGING CURRENT	10A	10A
	NOMINAL BATTERY VOLTAGE	12V / 24V Auto sensing: < 18V sensed as 12V and > 18V is sensed as 24V.	
	BATTERY TYPE	Lead Acid: Flooded, Sealed AGM, Sealed Gel Cell	
	INGRESS PROTECTION (IP) RATING	IP 30 (NOT waterproof. Install in dry environment)	
OTHER COMPONENTS / PARAMETERS	FUSE AND MATING CONNECTOR FOR BATTERY (ATTACHED TO BATTERY TERMINALS OF CHARGE CONTROLLER)	Fuse: Automotive Blade Fuse Type ATC, 10A Mating Connector for Battery Cable: 50A, Anderson Type SB-50 compatible, 2-Pole Connector	
	CABLE SETS FOR BATTERY	Cable Set 1: 16 ft. for Battery Connection 2 x AWG # 14 (2.5 mm ²) / 16 ft., 50A, Anderson Type SB-50 compatible, 2-Pole Mating Connector on one end and Alligator Clips on the other end	
		Cable Set 2: 16 ft. Extension 2 x AWG # 14 (2.5 mm²) / 16 ft., 50A, Anderson Type SB-50 compatible, 2-Pole Mating Connector on both ends	
DIMENSIONS	OPEN (mm/in)	1651 x 695 x 78 / 65 x 27.36 x 3.07	1102 x 673 x 78 / 43.39 x 26.50 x 3.07
	FOLDED (mm/in)	695 x 545 x 120 / 27.36 x 21.46 x 4.72	673 x 563 x 78 / 26.50 x 22.17 x 3.07
WEIGHT	WITH BAG & CABLES (kg/lbs)	17.9 Kg / 39.46 lbs.	12.44 Kg / 27.43 lbs.
	WITHOUT BAG (kg/lbs)	15.5 Kg / 34.17 lbs.	10.5 Kg / 23.15 lbs.

NOTE: Specifications are subject to change without notice

12021-MSK-90-135-1113

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