

**samlexsolar®****10A****Charge
Controller**Model
MSK-10A
10 Amps**2 YEAR LIMITED WARRANTY****Design Features**

- 3 stage intelligent Series Type PWM charging
- Automatic battery voltage detection: 12V / 24V
- 100% input and output within -35°C to +50°C
- Electronic protections: overheating, overcharging, over discharge, overload and short circuit
- Reverse protection any combination of solar module and battery
- Optional MSK-TS External Temperature Sensor

PARAMETER		SPECIFICATIONS
SYSTEM	LEAD ACID BATTERY TYPE	Sealed, AGM
	NOMINAL BATTERY SYSTEM VOLTAGE	12V / 24V, Auto Detection
	MAXIMUM CHARGING / LOAD CURRENT	10A
	SELF CONSUMPTION	≤ 8.4mA
	MINIMUM BATTERY VOLTAGE TO START OPERATION	6V
CHARGING CHARACTERISTICS	BOOST CHARGE VOLTAGE	14.4V
	FLOAT VOLTAGE	13.8V
	EXIT TO ABSORPTION (BOOST) WHEN IN FLOAT STAGE	13.2 V
	INTERNAL TEMPERATURE COMPENSATION	18mV/°K/Cell (with built-in Temperature Sensor) (Optional MSK-TS External Temperature Sensor)
LOAD CONTROL	LOW BATTERY DISCONNECT	11.1V
	LOW BATTERY RECONNECT	12.6V
INPUT/OUTPUT CONNECTIONS	TYPE AND WIRE SIZE	Moving Cage Type, 4 mm ² / AWG #12
PROTECTIONS	UNDER VOLTAGE WARNING	12.0V (LED Battery Status Indicator Orange)
	UNDER VOLTAGE WARNING AUTO RESET	12.2V
	OVER VOLTAGE LIMIT	≥15.5V (Charging Stops)
	OVER VOLTAGE LIMIT AUTO RESET	≤15.0V (Charging Resumes)
	OVER VOLTAGE DISCONNECT INDICATION	16.0V
COMPLIANCE	ELECTROMAGNETIC COMPATIBILITY	CE marked - Conformity with EMC Directive 2004/108/EG
ENVIRONMENTAL	OPERATING TEMPERATURE	-35°C to + 55°C
	INGRESS PROTECTION	IP-30 (Protected against ingress of objects > 2.5mm; Not protected against ingress of water)
GENERAL	DIMENSIONS	138.6 x 69.3 x 37 mm / 5.46 x 2.73 x 1.46 in
	WEIGHT	0.13 kg / 0.29 lb

NOTE: Specifications are subject to change without notice.

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