



# 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
<b>SYSTEM</b>	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
<b>CHARGING CHARACTERISTICS</b>	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)
<b>LOAD CONTROL</b>	LOW BATTERY DISCONNECT	11.1V
	LOW BATTERY RECONNECT	12.6V
<b>INPUT/OUTPUT CONNECTIONS</b>	TYPE AND WIRE SIZE	Moving Cage Type, 4 mm <sup>2</sup> / AWG #12
<b>PROTECTIONS</b>	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
<b>COMPLIANCE</b>	ELECTROMAGNETIC COMPATIBILITY	CE marked - Conformity with EMC Directive 2004/108/EG
<b>ENVIRONMENTAL</b>	OPERATING TEMPERATURE	-35°C to + 55°C
	INGRESS PROTECTION	IP-30 (Protected against ingress of objects > 2.5mm; Not protected against ingress of water)
<b>GENERAL</b>	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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