



WAL SOLAR INDUSTRIAL CORPORATION

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-34970699
勝特力电子(深圳) 86-755-83298787
Http://www.100y.com.tw

Solar Charger Controller

FEATURE :

- Electronically regulated charging regime : Boost and float charge
- Temperature compensation
- Deep discharge protection
- PWM series regulation, no panel short circuit
- Fully electronically protected : Panel surge voltage.
- Wrong polarity at panel or battery, Overload and short circuit at load
- 3 LED indications : Charge status, SOC, LVD, Overload/Short-Circuit Common positive allows grounding.
- PCB boards used moisture-proof technology.
- The SG5M solar charge controller series is especially designed for small solar system with the need of a low battery disconnect feature.
- Main differences to the preceding SG5M series : The regulation circuit provides now series regulation to prevent single cell overheat problems of short-circuited solar panels. The terminal section has been replaced by a rugged, well profane 4mm² terminal block.
- The melting fuse of the predecessor has been replaced by a fully electronically protected circuit.
- 2 LEDs and 1 Duo-LED to display charging in progress, battery SOC, and load disconnect and overload status.
- Leisure and rural electrification systems are the typical applications for this product. It is a perfect solution for cost-sensitive systems which require state-of-the-art system management.



Specifications :

Model	SG5M	
Nominal Voltage	12V	24V
Max. Solar panel current	5A	
Max. Load current	6A	
Max. Wire size	4mm ²	
Self-consumption	4mA	
Temperature compensation	-3mv/cell*K	
Ambient temperature range	-40°C~+50°C	
Weight	200g	
Dimension	116.3*104.4*37.7mm	
Case protection	IP22	

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