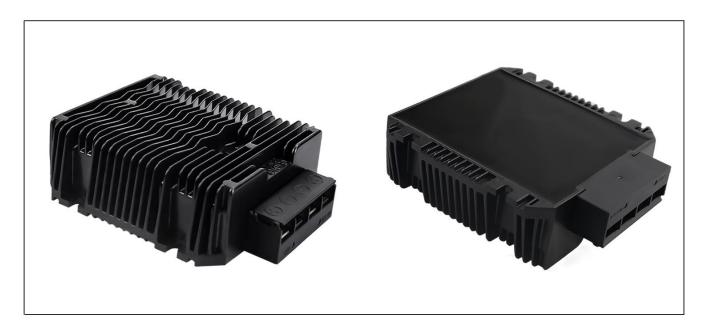


Model: WG-12C4810M

All lithium batteries on the market should be charged with a special charger for lithium batteries. If not, your battery will not be fully charged, or it will be damaged. The WG-12C4810M Lithium Battery Charger 48V 10A has optimized this charger for use with LiFePO4 and LiMn2O4. DC input voltage provides 10-30VDC, and rated output voltage is DC 48V 10A. Intelligent stages charging with CC, CV. For 48V LiFePO4, CV value is 58.4V, and 48V LiMn2O4 (12 series) is 50.4V. After reaching the CC value, the charger will down the charge current to 10% charge current, there will have no float charging, it is professional for lithium batteries charge.



►Key Features

- * Design meeting by CE, RoHS, ISO9001-2015
- * Special design for LiFePO4 and LiMn2O4 batteries CC/CV Value.
- * Full charge current design and efficiency up to 94.5%
- * Provide LV, OT, OC(@CC model), and short circuit protection.
- * DC output terminals diversify, suit for any battery system.
- * Advanced switching mode power supply technology.
- * Waterproof, Dust-proof, Shockproof design suit for much environment.
- * Super capacitor 0V start charging.
- * Provide LED to show charging state, Compact and light weight, natural cooling.
- * 2 years limited warranty.

► Model Naming Method

WG-12C4810M

WG: "szwengao" company name

12: Input DC rated voltage

C : Charger

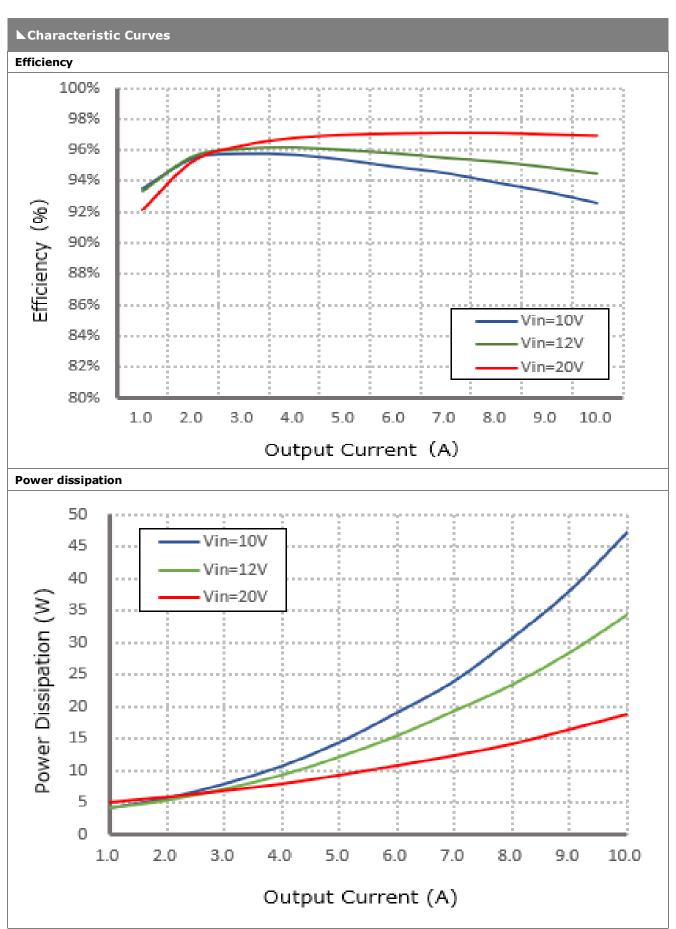
48: Battery voltage10: Charging currentM: Type of shell



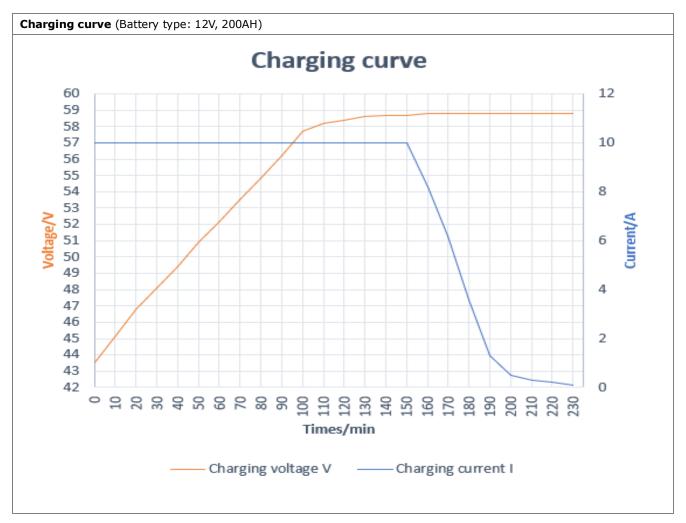
▲ Specifications				
Model No.	WG-12C4810M			
Battery type	Lifepo4			
Max. output DC voltage	58.4V±0.2V			
Output current	10A±5%			
DC input rated voltage	12V/24VDC (battery)			
DC input voltage range	10-30VDC			
DC input peak voltage	32VDC			
Input lowvoltage shutdown	10V±0.2V, @ green light			
Input lowvoltage recovery	11V±0.2V, @ red light			
Input fuse type	60A (Unit input postive has built-in fuses)			
Max. input current	64A (Vin=10V, Iout=10A)			
CC (constant current)	≤58.4V, 600W			
CV (constant voltage)	58.4V, 600W ↓			
No load current	72mA (Vin=12VDC)			
Ignition shutdown (ACC OFF)	705uA (Vin=12VDC)			
Battery leakage current	1.08mA			
Anti backflow function	YES			
Float charging	NO			
Ignition wire (ACC wire)	Optional (10-30VDC ON, 0-10VDC OFF)			
Power efficiency	94.5% @ (Vin=12VDC)			
Ripple & Noise	100-500mVp-p			
Working temperature	-40℃ ~ +55℃			
Waterproof level	IP65			
Dimension	140*120*42.5mm (5.51*4.72*1.67 inch)			
Weight	≤1.2kg			
Input cable type(suggest)	8AWG	If the wire length is greater than 1m, it is recommended to		
Output cable type(suggest)	14AWG	use a thicker wire diameter.		
Cooling	Natural			
Packing	Box			
LED light display	RED: battery is charging; GREEN: fully charged.			

► Function & Safety					
Short circuit protection	YES (Automatic recovery)				
Input over voltage protection	YES @ 32V±0.5V (Automatic recovery)				
Output over voltage protection	YES @ 61V±0.5V (Automatic recovery)				
Output under voltage protection	YES @ 38V±0.5V (Automatic recovery)				
Over current protection	YES (Automatic recovery)				
Over temperature protection	YES (≤85°C Automatic recovery)				
Anti electric strength	Input to shell	≥ 500V	Leakage current ≤ 1mA, 1min,		
	Output to shell		no breakdown, no arcing		
Insulation resistance	Input to Shell	· ≥10MΩ	Toot voltage - FOOV		
	Output to Shell		Test voltage = 500V		
MTBF	≥ 200,000H	Vin=12V/24V			

Model: WG-12C4810M

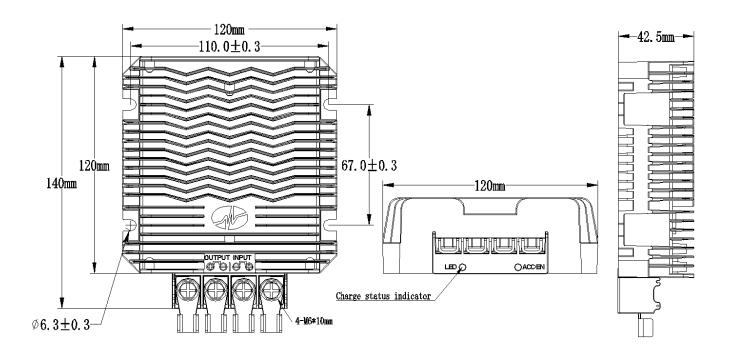






Model: WG-12C4810M

▶Dimension(unit: mm)



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