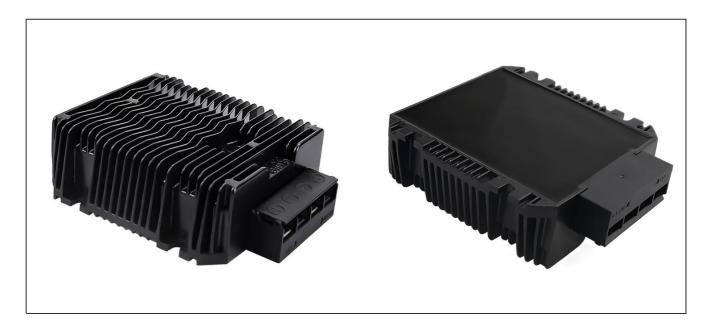
Model: WG-12C2420M

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-12C2420M Lithium Battery Charger 24V 20A has optimized this charger for use with LiFePO4 and LiMn2O4. DC input voltage provides 10-16VDC, and rated output voltage is DC 24V 20A. Intelligent stages charging with CC, CV. For 24V LiFePO4, CV value is 29.2V, and 24V LiMn2O4 (6 series) is 25.2V. 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 95.5%
- * 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-12C2420M

WG: "szwengao" company name

12: Input DC rated voltage

C : Charger

24: Battery voltage**20**: Charging current

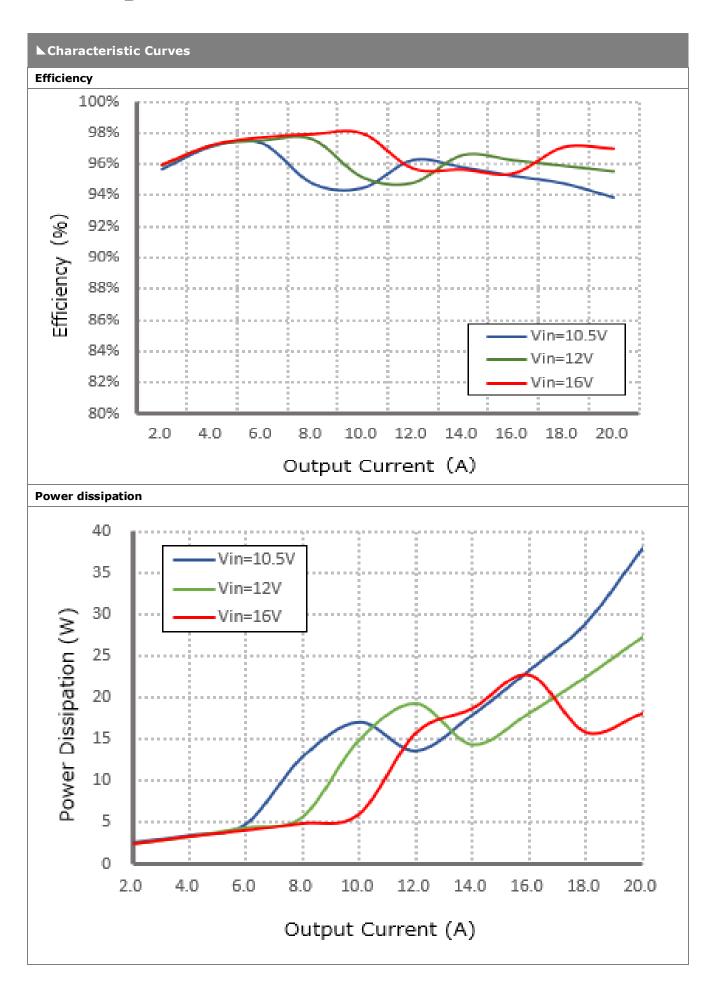
M : Type of shell



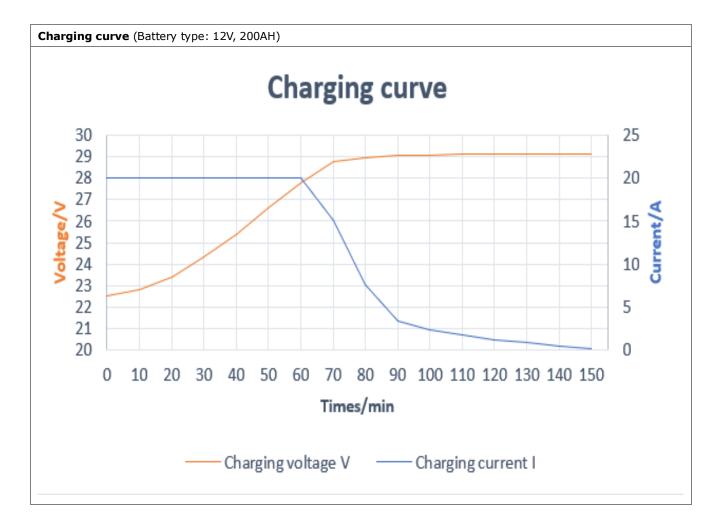
▲ Specifications					
Model No.	WG-12C2420M				
Battery type	Lifepo4				
Max. output DC voltage	29.2V±0.2V				
Output current	20A±5%				
DC input rated voltage	12VDC (battery)				
DC input voltage range	10-16VDC				
DC input peak voltage	16VDC				
Input lowvoltage shutdown	10V±0.2V, @ green light				
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=20A)				
CC (constant current)	≤29.2V, 600W				
CV (constant voltage)	29.2V, 600W ↓				
No load current	32mA (Vin=12VDC)				
Ignition shutdown (ACC OFF)	720uA (Vin=12VDC)				
Battery leakage current	1.05mA				
Anti backflow function	YES				
Float charging	NO				
Ignition wire (ACC wire)	Optional (10-16VDC ON, 0-10VDC OFF)				
Power efficiency	95.5% @ (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 @ 16V±0.5V (Automatic recovery)				
Output over voltage protection	YES @ 32V±0.5V (Automatic recovery)				
Output under voltage protection	YES @ 17V±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	Test voltage = 500V		
	Output to Shell				
MTBF	≥ 200,000H	Vin=12V			

Model: WG-12C2420M

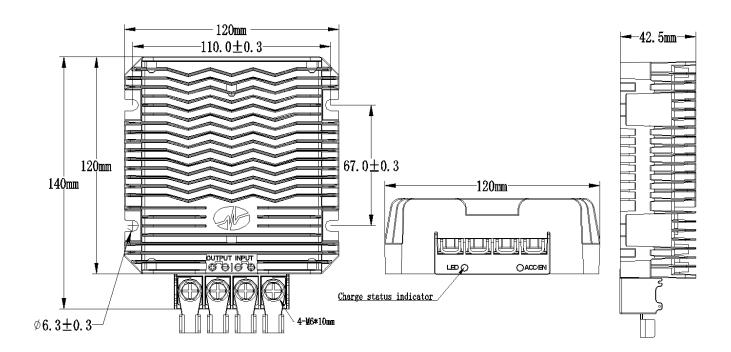






Model: WG-12C2420M

▶Dimension(unit: mm)



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