Model: WG-12C400L

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-12C400L Lithium Battery Charger 12V 400W has optimized this charger for use with LiFePO4 and LiMn2O4. DC input voltage provides 10-36VDC, and rated output voltage is DC 12V 400W. Intelligent stages charging with CC, CV. For 12V LiFePO4, CC value is 14.6V, and 12V LiMn2O4 (3 series) is 12.6V. 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 96%
- * Provide OV, 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.
- * Provide LED to show charging state.
- * Compact and light weight, natural cooling.
- * 2 years limited warranty.

▶Plug Available			
			99
Cables	Alligator Clips	Anderson Plug	M6, M8, M10 Rings

► Model Naming Method

WG-12C400L

WG: "szwengao" company name

12: Battery voltage

C : Charger

400: Charging power(watt)

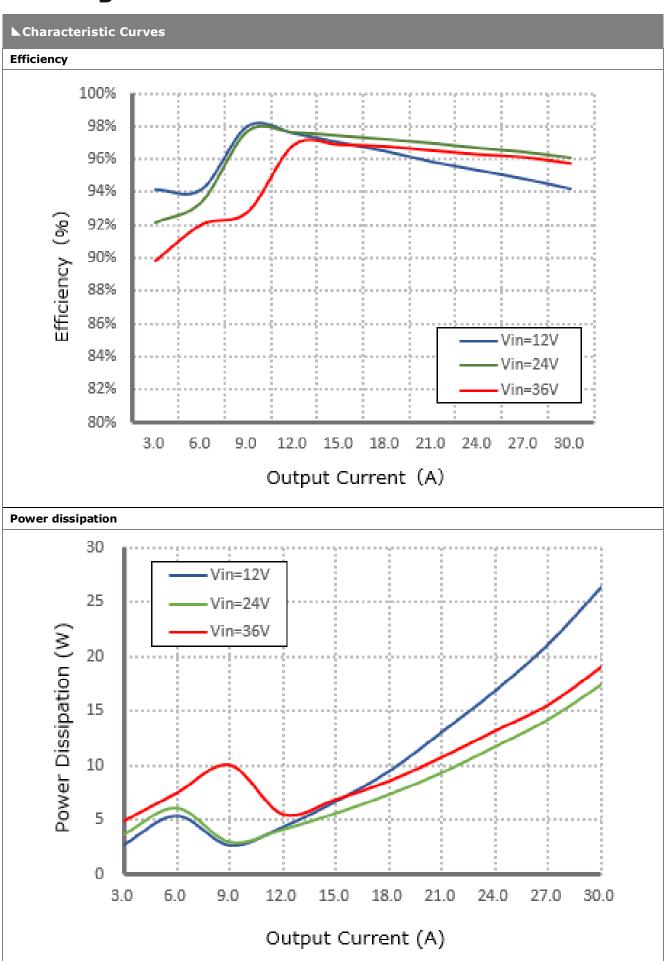
L : Type of shell



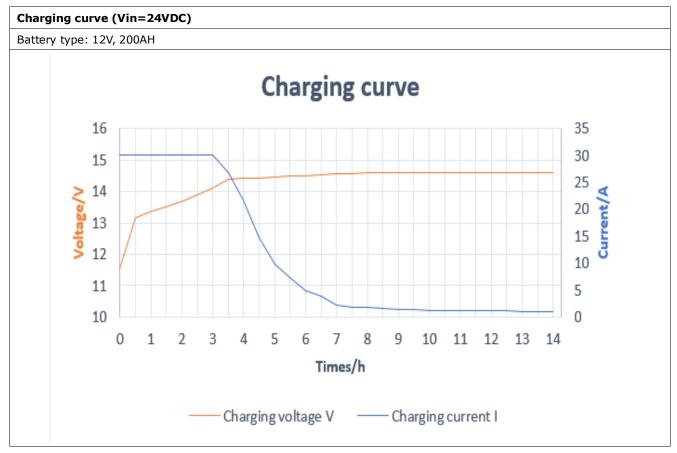
▲ Specifications					
Model No.	WG-12C400L				
Battery type	Lifepo4				
Max. output DC voltage	14.6V±0.2V				
Output current	30A±3%				
DC input rated voltage	12V/24VDC (battery)				
DC input voltage range	10-36VDC				
DC input peak voltage	40VDC				
Input lowvoltage shutdown	9.5VDC (accept custom)				
Input lowvoltage recovery	10.5VDC (accept custom)				
Input fuse type	60A (Unit input postive has built-in fuses)				
Max. input current	43A (Vin=10.5V, Iout=30A)				
CC (constant current)	≤14.6V, 400W				
CV (constant voltage)	14.6V, 400W ↓				
No load current	110mA (Vin=24VDC)				
Battery leakage current	2mA				
Anti backflow function	YES				
Float charging	NO				
Ignition wire(ACC wire)	Optional (10-36VDC ON, 0-8VDC OFF)				
Power efficiency	96% @ (Vin=12VDC)				
Ripple & Noise	220-500mVp-p				
Working temperature	-40℃ ~ +55℃				
Waterproof level	IP65				
Dimension	200*77*30mm (7.87*3.03*1.18 inch)				
Weight	≤1.1kg				
Input cable type	45cm length @ 10AWG	If the wire length is greater than 1m, it is recommended to			
Output cable type	45cm length @ 10AWG	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)				
Over voltage protection	YES				
Over current protection	YES (Automatic recovery)				
Over temperature protection	YES				
Anti electric strength	Input to shell	≥ 500V	Leakage current ≤ 3.5mA, 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/24V			

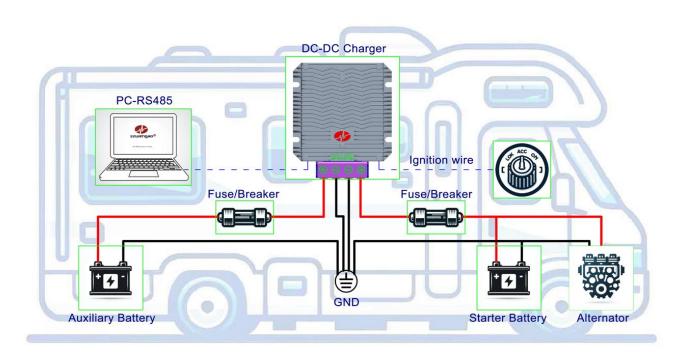
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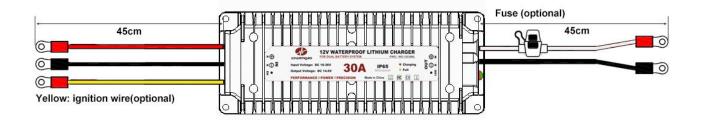
■Installation

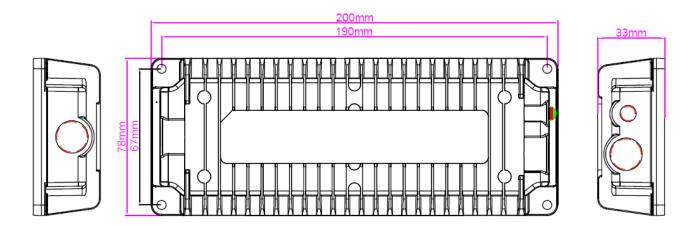




Model: WG-12C400L

Dimension





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