



QOMOLANDER (USA) INC.
SHENZHEN QOMOLANDER TECHNOLOGY CO., LTD


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www.qomolander.com

Product Specifications

Model Code:	CA4822	Material Code:	
Item Code:	CA4822	Cust Material Code:	

Specifications

1.1 Photos and Parameters			
Shell Material	Aluminum Casting		
Size	282*168*95mm		
Protection Level	IP66		
Net Weight	3.9Kg		
Noise	≤40dB		
Cooling	By Fan		
Operating Temperature	-30 ~ +65°C		
Storage Temperature	-40 ~ +95°C		
1.2 Input Parameters			
AC Input Voltage	<input checked="" type="checkbox"/> 85V-265V	AC Input Frequency	40~70Hz
Input Plug & Wire	American standard AC plug, 3*2.5CM2 wire with overall length of 300CM. Connect with YiDa AC plug. YiDa AC receptacle connected with the wire 3*2.5CM2 at length of 60CM, and connected to the adapter DJ7031-4.8-21 as well as the AC terminal (DJ7031-4.8-11) of the charger. The overall length of AC wire to the charger is 40CM.		
1.3 Output Parameters			
Suitable for Batteries	16S LiFePO4 Battery	Max Efficiency	MAX ≥93%



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Max Output Voltage	58.4V	Max Output Current	Max 22A @ 110V Max 22A @ 220V
12V Power Supply	<input checked="" type="checkbox"/> Yes	Communication	<input checked="" type="checkbox"/> CAN
Output Plug & Wire	<p>DC line: two-core 6-flat line, the total length of the line is 120CM, and the end is stripped 20CM, connected to the M8 ring terminal, tinned at the connection between the terminal and the line and covered with a heat-shrinkable sleeve.</p> <p>CAN wire & 12V supply power wire: lead 5 cores wire directly from the charger, at overall length of 100CM and 0.5CM², equipped with four cores Amphenol (AT06-4S) charger communication. 4pin defines as P1:12V,P2:GND,P3:CAN H,P4:CAN L.</p>		
1.4 Light			
Power Connected (Standby)	Green light on		
Charging	Green light flash		
Fully charged	Green light on		
Error Code	<ol style="list-style-type: none"> 1. Red light flashes quickly for error of input power. 2. Red and green light flash alternately for error of output short circuit or anti-access battery polarity. 3. The red light blinks twice, with an interval of 1 second, and then blinks twice again, for charger overheating alarm. 4. The red light blinks 3 times, with an interval of 2 second, and then blinks 3 times again, for output over-current alarm. 5. The red light blinks 4 times, with an interval of 2 second, and then blinks 4 times again, for output over-voltage alarm. 		
1.5 Packaging & Marks			
Package Dimension		Total weight	
Mark	<input type="checkbox"/> Manufacturer standard <input type="checkbox"/> Normal <input type="checkbox"/> Customized		



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Main Function (□ Options)

Input Low-Voltage & Over-Voltage protection	<ul style="list-style-type: none">□ The charger will stop working when the input voltage is lower than 85V or higher than 265V.□ The charger can resume to work when the voltage recovers to 85V~265V.
Temperature protection	<ul style="list-style-type: none">□ The charger will self-reduce power if the inside temperature comes up to 80°C。 It will stop working if the inside temperature reaches 85°C. After the temperature is normal, resume charging.
Output Empty-Load Protection	<ul style="list-style-type: none">□ No output if the charger can't detect any battery or load.□ No output if the charger does not receive the CAN command.
Power Loss Activation Function (Lithium Battery)	<ul style="list-style-type: none">□ Support power loss activation function. Please make sure that there is no short circuit or reverse connection at the output terminal.
Over-Current / Over-Voltage Output Protection	<ul style="list-style-type: none">□ When the charger recognizes that the output voltage/current/power exceeds the set value, the charger locks the output. After troubleshooting, manually restart the charger for charging.