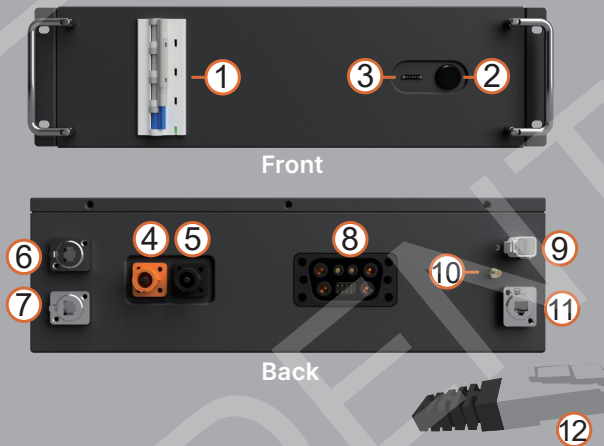


C512- Controller unit

Datasheet



① Main Breaker.

② Power Switch.

③ Data Port.

④ DC out +.

⑤ DC out -.

⑥ Cluster Data IN.

⑦ Cluster Data OUT.

⑧ RPC busbar terminal.

⑨ Display Terminal.

⑩ Wi-Fi Antenna Terminal.

⑪ Inverter Data Link.

⑫ Single Cluster End Point.

Main Parameters

Model	C512-Controller unit
Operating voltage range	80~930V(DC main input/output)
Operating current	0~100A
Maximum output power	90,000W
Scalability	Support 5 groups of PDUs in parallel
Over-current protection threshold	120A
Over temperature protection threshold	<-20°C / >60°C
Over-voltage protection threshold	Single cell 3.65V
Low-voltage protection threshold	Single cell 2.7V
Balancing enable condition	Single cell voltage 3.3V & voltage difference >30mV
Balance current	100mA
Pre-charge	Soft-start protection
Communication ports	CAN*3(2 for internal parallel, 1 for communication to PCS/inverter)
Communication ports	485*1
Dimension	500±2mm*482±2mm*133±2mm (without handles)
Weight	13.5kg
Working temperature	-40~80°C
IP rating	IP20
Remote management	Cloud Platform / App

Warnings and Precautions

*Disassembly is prohibited for non-professionals.

*Please refer to the relevant instructions or consult after-sales personnel before use.