

E²C2000-P117/P130

IP66 outdoor well protection

High efficiency 99%

110% overload ability@40°C

Enhanced performance(low THD, high control resolution, fast response)



High Reliability

- IP66 for all harsh environment;
- Distributed heat dissipation, well temperature management;
- Supports DC reverse connection and system grounding protection;
- Cooperate with BMS and EMS, comprehensive protection;

High efficiency

- ANPC topology with Hybrid vector modulation algorithm;
- Max. efficiency>99%;
- Standby losses<100W;

Advanced performance

- 3P4W connection, 100% unbalanced load capability;
- 30ms fast charge & discharge transfer;
- HVRT & LVRT, enhanced adaptability to grid;
- 110% overload @40°C, enhanced over load performance good temperature management for better electric component operation;
- Suitable for SCR<1.5, extreme weak grid adaptability;

Multi function

- Support VSG, VF, PQ ;
- Automatic and Smart control for charge & discharge, AC couple with solar system;
- Four quadrant operation;
- On grid and off grid operation without transformer, 100% unbalanced load capability;

Technical Parameter

Model	E ² C2000-P117	E ² C2000-P130
DC parameter		
Max. DC voltage	1000V	
DC voltage range	600V ~ 1000V	
Rated power	117kW	130kW
Max. Continuous DC power	132kW	147kW
Max. Continuous DC current	220A	245A
AC parameter		
Rated power	117kVA	130kVA
Rated voltage	400Vac	
Rated current	169A	188A
Max.continuous current	186A	206A
Max. continuous power	129kW	143kW
Max. current	203A	225A
Max. power	141kW	156kW
AC Voltage range	±15%	
Max. efficiency	>99.0%	
Frequency	50Hz/60Hz	
Frequency range	±5Hz	
Power factor	-1.0~1.0	
DC component	< 0.5%@nominal power	
Current THD	< 3%@nominal power	
Off grid AC parameter		
Voltage ripple	<3%	
Voltage unbalance	<2%(4% for short time)	
Voltage range	<10%	
Unbalanced load capability	100%	
General parameter		
Connection method	3P4W	
Standby losses	< 100W	
Cooling method	Intelligent air forced cooling	
IP protection	IP66	
Noise	< 75dB	
Weight	100kg	
Dimension (W*D*H)	770mm*1100mm*220mm	
Compliance	IEC62477, IEC61000, EN50549, ROHS	

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