

E²C2000-P186/P210

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

- 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, fast mode transfer;

Technical Parameter

Model	E ² C2000-P186	E ² C2000-P210
DC parameter		
Max. DC voltage	1500V	
DC voltage range	1000V ~ 1500V	
Rated power	186kW	210kW
Max. Continuous DC power	210kW	237kW
Max. Continuous DC current	210A	237A
AC parameter		
Rated power	186kVA	210kVA
Rated voltage	690Vac	
Rated current	156A	176A
Max.continuous current	172A	194A
Max. continuous power	205kW	231kW
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	IT	
Standby losses	< 100W	
Cooling method	Intelligent air forced cooling	
Operation temperature	-30°C~60°C	
IP protection	IP66	
Noise	< 75dB	
Weight	100kg	
Dimension (W*D*H)	630mm*720mm*285mm	630mm*900mm*285mm
Compliance	IECIEC62477, IEC61000, EN50549, ROHS	

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