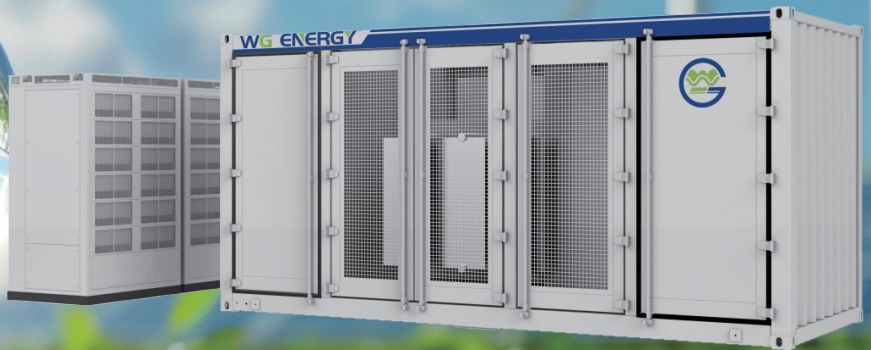


E²T2000-P5000-C



Better profitability

- Independent battery cluster operation and management, single unit failure will not expand and the system can keep operation;
- Reduce the time and power loss during unit breakdown, save the cost and guarantee more yield;

Higher reliability

- IP66 protection for PCS, IP54 for transformer, better protection for the sensitive component from moisture, salt spray, sand, and guarantee better reliability of the conversion system;
- Distributed heat dissipation, a well temperature management for PCS offers better operation condition for electric components to improve the reliability.

Easier O&M

- Modular design of PCS realize easy installation, transfer, storage and replacement, reduce the O&M time within 1 hour;
- Reduced technical requirement for engineers onsite, easy O&M for power conversion system and less human labor required for engineer onsite;

Enhanced performance

- 30ms fast charge & discharge transfer;
- Support HVRT & LVRT and suitable for SCR<1.5 extreme weak grid with enhanced adaptability;
- Support VSG, VF, PQ and Four quadrant operation;



Technical Parameter

5MW MV SKID Station		
Rated power	Rated power	5200kVA (0.5C system)
Frequency		50Hz/60Hz
Vector Group		Dy 11y11
Transformation ratio		6~36kV/0.69kV
No load tap switch		±2*2.5%
Oil type		25#mineral oil(PCB free)
Protection degree		IP54
Environment temperature range		-25~60°C
Altitude		<1000m
Communication Protocols	Modbus RTU& Modbus TCP, IEC 61850(Optional)	
Environment temperature range		-25~60°C
Relative Humidity		0%~95%
Dimensions (W x H x D)	6058mmx2896mmx2438mm (Standard 20-foot container)	
Altitude		≤1000m
Weight		<27t

2.5MW PCS cabinet		
Number of DC branches		12
DC voltage range		1100~1500V
Rated capacity of each PCS		210kVA
Rated AC power		2520kW(12*210kW)
Maximum AC power		2772A
Rated voltage		690V
Rated power grid frequency		50/60HZ
Power factor adjustable range		-1~+1
Total harmonic distortion of current		<3%
Protection degree		IP54 (PCS IP66)
Communication Protocols	Modbus RTU&Modbus TCP IEC 61850(Optional)	
Environment temperature range		25~60°C(>45°C for derating)
Relative Humidity		0% ~ 95% (No condensation)
Dimensions (W x D x H)	2400mm*1000mm*2400mm	
Altitude		≤2000m
Weight		≤3t

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