

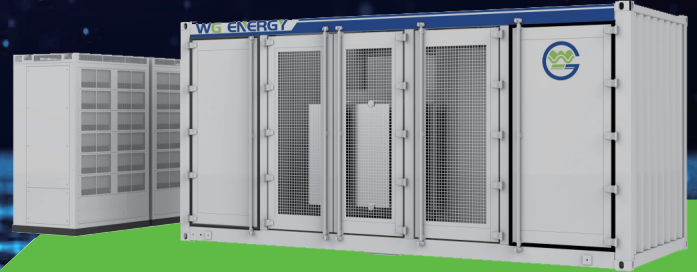
# E<sup>2</sup>T2000-P5000-C

High economic performance, string PCS can charge and discharge the battery rack independently, reduce the max. parallel mismatch losses of 2%.

Excellent environmental adaptability, IP66 for PCS, IP54 for transformer container, max. C5M anti-corrosion degree, suitable to all harsh environment.

Less O&M cost, modular PCS design is easy for install, transfer and storage, greatly reduce the labor and time consumption on site.

High availability, independent rack power management, single unit failure will not expand to other racks and the whole system, minimize the system loss.



## Better profitability

- Refined energy management, eliminate the parallel mismatch power losses between racks, improve max. 2% of SOC utilization;
- 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;

## 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;

## Higher reliability

- IP66 protection for PCS, IP68 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.

## 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;
- Support On grid and off grid operation and fast mode transfer;

# Technical Parameter

MV SKID Station E <sup>2</sup> T2000-P5000-C	
Rated power	5040kVA
High voltage	35kV or customizable
AC operation voltage range	±10%
AC frequency	50Hz/60Hz
Frequency range	±5Hz
Transformer type	Oil immersed
Connection method	IT
Transformer PEI	EU 548 Tier 2 or customizable
SPD	Type I+II
Auxiliary transformer	5kVA or customizable
Auxiliary Transformer output voltage	400Vac(3P+N)
UPS	1kVA/1h
Protection degree	IP54 (LV & MV Rooms) / IP68 (transformer)
Communication protocols	Modbus RTU, Modbus TCP & IEC 61850
Anti-corrosion level	Max. C5-M
Smoke detection	2(1 x LV+1 x HV)
Dimensions (W x H x D)	6058mm x 2896 mm x 2438 mm
Weight	< 24t
PCS cabinet E <sup>2</sup> C3000-P2520	
Rated power	2520kW
Current THD	<3% @ rated power
Power factor	>0.99@ rated power
Power factor range	-1 ~1 continuously adjustable
DC operation voltage range	1000VDC~1500VDC
AC voltage	690Vac±15%
PCS max. efficiency	>99%
DC current component	<0.5% @ rated power
Protection degree	IP66
Cooling	Intelligent forced air cooling
Protection degree	IP66
Noise	<75dB
Weight	<1.7t
Dimensions (W x H x D)	1550mm*2480mm*980mm
System parameter	
Operating temperature	-25°C ~ 60°C
Colour	RAL7035 or customizable
Relative humidity	0% ~ 95%
Altitude	2000m(derating after 2000m)
Anti-corrosion degree	C4 or max. C5M

**XI'AN WEIGUANG ENERGY TECHNOLOGY CO. LTD**

Service Number 86-18629469957  
global\_service@weiguangenergy.com