

TIANYUAN 60K

Power Converter System

WEIHENG



Product Introduction

Brand new TIANYUAN power converter system, support 62.5kW AC output, maximum efficiency 99%, equipped with various specifications of battery cells, can be flexibly used in industrial and commercial energy storage scenarios. Modular design with no restrictions by installation conditions, come with PANGU OS to achieve multiple protections for the system and comply with the newest CN and EU certifications.

Stable

- Tri-Level, Max. efficiency 99%.
- Faster power control strategy.
- 1C frequency respond.

Flexible

- Four quadrant operation.
- Rack/wall-mounted.
- Max. 10 parallel.

Safe

- Smart air cooling.
- IP65, unrestricted installation.
- Multiple protection.

Functional

- Support PQ, black start.
- Support BESS detection.

TIANYUAN 60K Series

Technical Specifications



Model	WH-BEC-60AC
DC Side	
Max. DC Voltage (V)	1000
DC Voltage Range (V)	650...940
Max. DC Current (A)	119
AC Side	
Rated AC Power (kW)	62.5
Max. AC power (kW)	75
AC power Frequency (Hz)	50/60
Normal AC Voltage (V)	400
AC Voltage Range (V)	360...440
Grid Connetion Type	3W+PE
THDi	< 3%
Power Factor Range	-0.8...+0.8
Max. Efficiency	99%
Protection	
Anti-islanding Protection	Yes
AC Overcurrent protection	Yes
Ground Fault Protection	Yes
DC Surge Protection	Type II
AC Surge Protection	Type II
General	
Dimensions (W*D*H) (mm)	800*680*330
Weight (kg)	69
Protection Class	IP65
Noise (dB)	< 69
Operating Temperature Range	-25°C...+60°C(Derating @ >45°C)
Cooling Method	Smart Fan
Altitude	3000m (Derating @ > 2000m)
Communication	RS485/CAN/Ethernet
Communication Protocal	Modbus TCP/RTU

*Product dimensions and parameters are subject to change without notice. The latest information shall prevail.

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