

1500V ENERGY STORAGE CONVERTER 6



High efficiency

Three-level topology with maximum conversion efficiency of 99%
Support 110% long-term overload, 50°C ambient temperature without derating
Wide DC operating voltage range, the highest DC voltage is 1500V



Intelligence

Two-way four-quadrant operation, integrated battery charge and discharge management
Suitable for various energy storage application scenarios such as peak shaving and filling, peak shaving and frequency modulation, auxiliary new energy integration
Integrated WLAN module, convenient for near-end mobile device access



Cost-saving

Wide voltage range on Dc side, suitable for a variety of batteries
Modular design, convenient operation and maintenance
On-line monitoring of operation status, rapid elimination of faults



Reliable

Integrated battery charge and discharge management to extend battery life
Support high/low voltage ride-through, frequency ride-through, fast power dispatch, strong electrical adaptability
Complete protection measures, with active fault monitoring and protection capabilities

TECHNICAL PARAMETERS

PRODUCT NUMBER	TPOWER-ND1250K
DC SIDE PARAMETERS	
Maximum output voltage	1500V
DC voltage operating range	915-1500V
Maximum DC working current	1536A
Number of DC input channels	1
AC SIDE PARAMETERS	
Rated output power	1250kVA
Maximum output power	1375kVA
Maximum AC current	1323A
Rated AC voltage	600V
AC voltage range	510-660V
Total harmonic distortion (rated power)	<3%
Rated electrical frequency	50Hz/60Hz
Power factor adjustable range	Leading 100%-Lagging 100%
SYSTEM PARAMETERS	
Isolation mode	No transformer
Maximum efficiency	99.0%
High/low voltage ride through	Have
DC input protection	Have
AC output protection	Have
Electricity monitoring/ground fault monitoring	Have
Overvoltage protection	Have (Type II)
Surge protection	Have

PRODUCT NUMBER	TPOWER-ND1250K
BASIC PARAMETERS	
(width × depth × height)	1400×2000×800mm
weight	1410kg
Ingress Protection	IP20
Cooling method	Intelligent wind-cooling
Highest working altitude	5000m (>3000m Derating)
Working environment temperature	-35to60°C(>45°C Derating)
Working environment humidity	0~95%, No condensation
Monitor	LED
Communication	Rs485, Ethernet (optional)