

1500V SYSTEM CENTRALIZED PHOTOVOLTAIC INVERTER 3



High efficiency

Higher power density, integrated DC power distribution, lower construction cost (Volume: 1400×2000×800mm)
Brand-new three-level topology, the highest efficiency is higher than 99.0%
High-efficiency MPPT control method, tracking accuracy 99.9%
Long-term overload of 1.1 times at 45°C, full load at 50°C



Intelligence

Dynamic graphic LCD interface, parameter separation control, providing perfect local configuration and management
Intelligent fault recording function to quickly locate faults
Intelligent remote upgrade and maintenance management



Cost-saving

DC 1500V, reducing system cost
Support AC side parallel connection, can be connected to dual-winding transformer
Modular design, saving operation and maintenance costs



Reliable

Highly reliable film capacitor scheme
Integrated cooling design reduces temperature rise of components and improves product life
Intelligent temperature control and fault detection to improve system reliability
PID repair to reduce component attenuation

TECHNICAL PARAMETERS

PRODUCT NUMBER	TPOWER-NM2-2500K	TPOWER-NM2-3125K
DC SIDE PARAMETERS		
Maximum open circuit voltage	1500VDC	
Maximum DC current	1718A	1900A
Number of inputs	10	10
MPPT quantity	1	1
Full load MPPT voltage range	800V~1300V	875V~1300V
MPPT voltage tracking range	800V~1450V	875V~1450V
Starting voltage	840V	915V
MPPT efficiency	99.9%	99.9%
AC SIDE PARAMETERS		
rated power	1250kW	1562kW
Maximum power	1375kW	1718kW
Maximum output current	1443A	1654A
Rated electrical voltage	550VAC	600VAC
Electric frequency range	45~50Hz/55~60Hz	
Rated electrical frequency	50Hz/60Hz	
Power factor	>0.99 (rated power)	
Power factor adjustment range	0.8 (Leading) ~0.8 (lagging)	
Total harmonic distortion	<3% (rated power)	
SYSTEM PARAMETERS		
Maximum efficiency	99.07%	99.07%
Chinese efficiency	98.55%	98.55%
High / low voltage ride through	Have	
AC side parallel	Have	
PID repair	Optional	
SVG	Optional	
Disturbance recorder diagnosis	Have	
Online upgrade	Have	

PRODUCT NUMBER	TPOWER-NM2-2500K	TPOWER-NM2-3125K
BASIC PARAMETERS		
(width × depth × height)	1400×2000×800mm	
Weight	1350kg	
Ingress Protection	IP20	
Night loss	<80W	
Cooling method	Intelligent wind-cooling	
Highest working altitude	5000m (>3000mDerating)	
Working environment temperature	-35°C~60°C	
Working environment humidity	0~95%, No condensation	
Monitor	LED	
Communication	Rs485, Ethernet(optional)	