

# 1500V SYSTEM CENTRALIZED PHOTOVOLTAIC INVERTER 2



## High efficiency

Brand-new three-level topology, the highest efficiency is more than 99.07%  
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 technology, 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

Adapt to complex environments such as high altitude, high temperature, and extreme cold  
Intelligent temperature control and fault detection to improve system reliability  
PID repair, reduce component attenuation

## TECHNICAL PARAMETERS

PRODUCT NUMBER	TPOWER-NM4-2500K	TPOWER-NM4-3125K
<b>DC SIDE PARAMETERS</b>		
Maximum open circuit voltage	1500VDC	
Maximum DC current	2×1718A	2×2090A
Number of inputs	20	20
MPPT quantity	2	2
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%
<b>AC SIDE PARAMETERS</b>		
rated power	2500kW	3125kW
Maximum power	2750kW	3437kW
Maximum output current	2886A	3308A
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)	
<b>SYSTEM PARAMETERS</b>		
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-NM4-2500K	TPOWER-NM4-3125K
<b>BASIC PARAMETERS</b>		
(width × depth × height)	2200×1200×2200mm	
Weight	2700kg	
Ingress Protection	Ip55	
Night loss	<200W	
Cooling method	Intelligent wind-cooling	
Highest working altitude	5000m (>3000m derating)	
Working environment temperature	-35°C~60°C	
Working environment humidity	0~95%, No condensation	
Monitor	LED	
Communication	R485, Ethernet (optional)	