

tPower-NM6.3300/4400 MODULAR PV INVERTER



Product Features

- Efficient**
 - Advanced three-level topology, max. inverter efficiency 99.07%
 - Modular design, plug-and-play, easy for maintenance
 - Max. 1.15 times overload operation
- Friendly**
 - Fast power response, satisfy panoramic monitoring response requirements
 - SCR \geq 0.97 stable operation in ultra weak grid
 - Continuous Low/High voltage ride through
- Intelligent**
 - Multiple parallel connection, flexible modular expansion
 - Intelligent fault recording and fast locating
 - Health management and fault alarm for key components
 - Remote upgrading and online maintenance
- Reliable**
 - IP65 protection degree, adapt to various harsh environments
 - DC arc alarm function, higher system reliability
 - Intelligent fan speed control, higher component reliability

Technical Parameters

Type designation	tPower-NM6.3300	tPower-NM6.4400	
Input (DC)			
Max. input voltage	1500V		
Max. input current	3*1435A	4*1435A	
Number of DC inputs	15 (optional: 18)	20 (optional: 24)	
Number of MPPT	3	4	
MPPT voltage range	895V~1500V 940V~1500V	895V~1500V	940V~1500V
Start-up input voltage	905V	955V	955V
MPPT efficiency	99.9%		
PV array configuration	Floating (optional: negative grounding)		
Output (AC)			
Nominal output voltage	630V 660V	630V	660V
Nominal output power	3300kVA@45°C 3300kVA@51°C	4400kVA@45°C	4400kVA@51°C
Max. output power	3795kVA@25°C 3795kVA@30°C	5060kVA@25°C	5060kVA@30°C
Max. output current	3*1160A 3*1107A	4*1160A	4*1107A
Nominal grid frequency /Grid frequency range	50Hz/45Hz~55Hz , 60Hz/55Hz~65Hz		
Power factor	>0.99@Pn		
Power factor range	0.8 leading ~ 0.8 lagging		
Feed-in phases / AC connection	3 / 3		
Harmonic (THDi)	<3%@Pn		
Efficiency			
Inverter Max. efficiency	99.07%	99.07%	
Inverter European efficiency	98.7%	98.7%	
Protection & Function			
DC input protection	Load break switch + fuse		
AC output protection	Circuit breaker		
Surge protection	DC Type II/AC Type-II		
LVRT/HVRT	Yes		
AC-side parallel	Yes		
Anti-PID/PID recovery	Yes/Optional		
Night SVG function	Optional		
Fault recording diagnosis	Yes		
Online software upgrading	Yes		
General parameter			
Dimensions(W*D*H)*	2450*1800*2475mm	3165*1800*2475mm	
Weight*	2.8T	3.6T	
Protection degree	IP65		
Power consumption at night	<200W		
Cooling method	Intelligent air cooling		
Max. operating altitude	5000m (>3000m derating)		
Operating ambient temperature range	-35°C ~ 60°C		
Allowable relative humidity range	0 ~ 100%		
Display	LED indicators, APP		
Communication	RS485, Ethernet, optical fiber (optional)		
Standard compliance	IEC 62109-1/-2, IEC 61000-6-2/-4, IEC 61727, IEC 62116, IEC 60068, IEC 61683, NB/T 32004-2018, GB/T 37408-2019		

*Note: Actual dimension and weight are subject to delivery.