

tPower-NM4.3125/3300
CENTRAL PV INVERTER



Product Features


Efficient

- Advanced three-level topology, max. inverter efficiency 99.06%
- Compatible with 600Wp+ PV modules
- 1.1 times overload operation at 45°C, full power operation at 50°C


Intelligent

- Dynamic LCD interface, separated parameter control, complete local configuration
- Intelligent fault recording and fast locating
- Remote upgrading and online maintenance


Cost-saving

- AC side parallel connection, dual winding transformer accessible
- SVG function, save investment cost
- Maintenance access on all sides, save O&M costs


Reliable

- IP55/IP65 protection rating, adapt to various harsh environments
- Dual independent air duct design for effective cooling
- DC arc alarm function, higher system reliability

Technical Parameters

Type designation	tPower-NM4.3125	tPower-NM4.3300
Input (DC)		
Max. input voltage	1500V	
Max. input current	2×1984A	2×2163A
Number of DC inputs	16 (Optional 18)	16 (Optional 18)
Number of MPPT	2	2
MPPT voltage range	875V~1500V	895V~1500V
Start-up input voltage	915V	905V
MPPT efficiency	99.9%	
	Output (AC)	
Nominal output power	3125kVA@45°C	3300kVA@45°C
Max. output power	3437kVA@35°C	3795kVA@25°C
Max. output current	3308A	3319A
Nominal grid voltage	600V	630V
Grid frequency range	45~50Hz/55~60Hz	
Nominal grid frequency	50Hz/60Hz	
Power factor	>0.99@Pn	
Power factor range	0.8leading~0.8lagging	
Harmonic (THDi)	<3%@Pn	
Efficiency		
Inverter Max. efficiency	99.06%	99.03%
Inverter European efficiency	98.7%	98.7%
Protection & Function		
LVRT/HVRT	Yes	
AC-side parallel	Yes	
Anti-PID/PID recovery	Yes/Optional	
Night SVG function	Optional	
Fault recording diagnosis	Yes	
Online software upgrade	Yes	

General parameter	
Dimensions(W*D*H)*	2200*1200*2200m
Weight*	2270kg
Protection degree	IP55 (optional IP65)
Power consumption at night	<200W
Cooling method	Temperature controlled forced air cooling
Max. operating altitude	5000m (>3000m derating)
Operating ambient temperature range	-35°C ~ 60°C
Allowable relative humidity range	0 ~ 100%
Display	LED
Communication	RS485, Ethernet, optical fiber (optional)
Standard compliance	IEC 62109-1/-2, IEC 61000-6-2/-4, IEC 61727, IEC 62116, IEC 60076, NB/T 32004-2018, GB/T 37408-2019

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