

# THREE PHASE ON-GRID PV INVERTERS

## NEOSUN TPI-15K | 17K | 20K | 25K

### Features

#### EFFICIENCY

98.4%

- Maximum Efficiency up to 98.4%
- European Efficiency up to 98.1%
- 2 MPP trackers with efficiency up to 99.9%
- Innovative topology creates lower THDi
- Ultra wide MPPT Voltage range

#### FLEXIBILITY



- Scalable architecture
- Easy installation and free maintenance
- Light in weight, wall-mounted
- Multiple monitoring and communication functions (Wi-Fi /RS485/Ethernet)
- Super large 5-inch LCD

#### RELIABILITY



- IP65 water-proof and dust-proof rating
- Integrated smart combiner box
- Self-diagnosis with up to 4 strings DC inputs
- DC & AC lightning protection (Type II)
- Anti-islanding protection
- Up to 10 safety measurements
- DC switch (optional)
- Warranty - 5 years



### Overview

On-Grid Inverter NEOSUN TPI 15kW | 17kW | 20kW | 25kW adopts cutting-edge technology in photovoltaic fields. Higher conversion efficiency of 98.4%, dual MPPT, DC input of up to 1000V and lower energy losses are guaranteed to maximize customer satisfaction.

With its reliable power grid support management and high protective class, the TPI series is compatible with different types of branded solar panels and is also ideal for commercial rooftop systems.

This safe and reliable On-Grid Inverter is the first choice for residential, commercial installations and power plants.

Input (DC)	TPI-15K	TPI-17K	TPI-20K	TPI-25K
Max DC input power	19500W	22100W	26000W	32500W
Nominal DC input power	15400W	17500W	20500W	75800W
Max DC input voltage	1000VDC			
MPPT voltage range	260~850VDC			
Starting voltage	250VDC			
No. of DC connectors	4	4	4	6
Max input current per MPPT	22/22	22/22	22/22	27/27
Number of MPP trackers	2			
Output (AC)				
Nominal AC power	15kW	17kW	20kW	25kW
Max AC power	15000W	17000W	20000W	25000W
Max output current	25A	25A	30A	37A
Nominal AC voltage	400VAC			
AC grid frequency	50Hz/60Hz			
AC voltage range	310~480VAC			
AC grid frequency range	44~55Hz / 54~65Hz			
Grid connection	3W/N/PE			
Power factor	0.8 leading~0.8 lagging			
Harmonics (THD)	<1.5%			
Efficiency				
Max efficiency	98.2%	98.2%	98.4%	98.4%
European efficiency	97.7%	97.7%	98.1%	98.1%
MPPT efficiency	99.9%	99.9%	99.9%	99.9%
Protection				
Residual current monitoring unit	Integrated			
Anti-islanding protection	Integrated			
DC switch	Integrated (optional)			
AC over current protection	Integrated			
Insulation monitoring	Integrated			
General data				
Dimensions (W/H/D)	516x650x203 mm			
Weight	39kg	39kg	39kg	40kg
Working temperature	-25°C to +60°C (>45°C derating)			
Relative humidity	0~95%			
Cooling method	Fan cooling			
Noise	< 45dB			
Night power consumption	< 1W			
Mounting	Wall bracket			
Topology	Transformerless			
Display	5.0" LCD			
Protection degree	IP65			
Max operating altitude	4000m (> 3000m derating)			
Communication	Wi-Fi; RS485 or Ethernet			
Warranty	5 years			