

INVERTERS

Micro

■ International certificates

Globally comply to VDE4105, VDE0126, CEI-201, EN50549, IEC62109, IEC61000,
High efficiency with 95.5% CEC.

■ Simple and practical design

Dimensions: 283x200x41.6mm, Weight-2.8kg, operating Temperature :-40 to +65
Cooling Natural convection.

■ Simple installation

Integrated grounding for easy installation. Integrated monitoring and power line
communication with gateway.



TNMI-600W/700W/800W

■ Specifications

Mode	TNMI-600W	TNMI-700W	TNMI-800W
Input Data (DC)			
Commonly used module power (w)	<2x375	<2x435	<2x465
Maximum input voltage (V)		60	
MPPT voltage range (V)		22-60	
Start-up voltage (V)		22	
Maximum input current (A)	23	28	32
Maximum input short circuit current (A)	30	32	36
Number of MPPTs		2	
Number of inputs per MPPT		1	
Output Data (AC)			
Rated output current (A)	5/2.6	5.9/3.1	6.7/3.5
Nominal output voltage/range (V) ¹		120/230	
Nominal frequency/range (Hz) ¹		47-52/57-62	
Power factor (adjustable)		99%	
Total harmonic distortion		<5%	
Efficiency			
CEC peak efficiency		95%	
Nominal MPPT efficiency		99.5%	
Night power consumption (mW)		<50	
Mechanical Data			
Ambient temperature range (°C)		-40 to 65	
Dimensions (W x H x D mm)		283x200x41.6	
Weight (kg)		2.8	
Enclosure rating		IP65	
Cooling		Natural cooling	
Features			
Communication		WiFi	
Compatibility		Compatible with 60~72 cell PV module	
Compliance		VDE4105, VDE0126, CEI-021, EN50549, IEC62109, IEC61000	

* Nominal voltage/frequency range can vary depending on local requirements.

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■ Safety

- No DC high voltage. Our micro inverters immediately convert DC to AC creating a safer installation.
- Enhanced safety insulations
- With Reactive Power Control, Compliant with VDE4105,VDE0126,-CEI-021,EN50549,IEC61000

■ Efficiency

- Harvest 15-25% more energy. Shading and complicated roofs are ideal for our micro inverters.
- Flexibility to adjust the size of the system
- Peak efficiency 96.2%
- CEC efficiency 96.0%



TNMI-300W/TNMI-350W

■ Specifications

Mode	TNMI-300W	TNMI-350W
Input Data (DC)		
Commonly used module power (W)	<375	<435
Maximum input voltage (V)	60	
MPPT voltage range (V)	22-60	
Start-up voltage (V)	22	
Maximum input current (A)	13.7	16
Maximum input short circuit current (A)	15	18
Number of MPPTs	1	
Number of inputs per MPPT	1	
Output Data (AC)		
Rated output current (A)	2.5/1.3	3/1.5
Nominal output voltage/range (V) ¹	120/230	120/230
Nominal frequency/range (Hz) ¹	47-52/57-62	
Power factor (adjustable)	99%	
Total harmonic distortion	<5%	
Efficiency		
CEC peak efficiency	95%	
Nominal MPPT efficiency	99.5%	
Night power consumption (mW)	<50	
Mechanical Data		
Ambient temperature range (°C)	-40 to +65	
Dimensions (W x H x D mm)	165x176x38	
Weight (kg)	1.28	
Enclosure rating	IP65	
Cooling	Natural cooling	
Features		
Communication	WiFi	
Compatibility	Compatible with 60~72 cell PV module	
Compliance	VDE4105,VDE0126,CEI-021,EN50549,IEC62109,IEC61000	

* Nominal voltage/frequency range can vary depending on local requirements.