



## HM-1000NT/1200NT/1500NT

The Best in Its Class! The Microinverter  
with reactive power control for 4 solar panels

### Highlights

- Easy installation, just plug and play
- External antenna for stronger communication with DTU
- Power factor (adjustable) 0.85 leading.....0.85 lagging
- The highest power density microinverter on the market
- Compliant with CA Rule 21 & U.S. NEC 2014/2017 690.12 rapid shutdown
- High reliability; NEMA (IP67) enclosure; 6000V surge protection



Safer



Smarter



More Powerful



More Reliable

Model	HM-1000NT	HM-1200NT	HM-1500NT
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**Input Data (DC)**

Commonly used module power (W)	200~310	240~380	300~470
Module compatibility	60-cell or 72-cell PV modules	60-cell or 72-cell PV modules	60-cell or 72-cell PV modules
Peak power MPPT voltage range (V)	27~48	29-48	36~48
Start-up voltage (V)	22	22	22
Operating voltage range (V)	16~60	16-60	16~60
Maximum input voltage (V)	60	60	60
Maximum input current (A)	4*10.5	4*11.5	4*11.5

**Output Data (AC)**

Peak output power (VA)	1000		1260	1200	1500	1350
Maximum continuous output power (VA)	958		1200	1109	1438	1246
Maximum continuous output current (A)	3.99	4.61	5	5.33	5.99	5.99
Nominal output voltage/range (V)	240/211-264	208V/183-228	240/211-264	208V/183-228	240/211-264	208V/183-228
Nominal frequency/range (Hz)	60/55-65 <sup>1</sup>		60/55-65 <sup>1</sup>		60/55-65 <sup>1</sup>	
Power factor (adjustable)	>0.99 default 0.85 leading...0.85 lagging		>0.99 default 0.85 leading...0.85 lagging		>0.99 default 0.85 leading...0.85 lagging	
Total harmonic distortion	<3%		<3%		<3%	
Maximum units per 20A branch <sup>2</sup>	4	3	3	3	2	2
Maximum units per 30A branch <sup>2</sup>	6	5	4	4	4	4

**Efficiency**

CEC peak efficiency	96.70%	96.70%	96.70%
CEC weighted efficiency	96.50%	96.50%	96.50%
Nominal MPPT efficiency	99.80%	99.80%	99.80%
Nighttime power consumption (mW)	<50	<50	<50

**Mechanical Data**

Ambient temperature range (°C)	-40~+65
Dimensions (W×H×D mm)	280 x 176 x 33
Weight (kg)	3.35
Enclosure rating	Outdoor-NEMA (IP67)
Cooling	Natural convection – No fans

**Features**

Communication	2.4GHz Proprietary RF(Nordic)
Monitoring	Hoymiles Monitoring System
Warranty	Up to 25 years
Compliance	UL1741, IEEE1547, UL1741 SA (240Vac), CA Rule21 (240Vac), CSA C22.2 No. 107.1-16, FCC 15B, FCC 15C
PV Rapid Shutdown	Conforms with NEC-2014 and NEC-2017 Article 690.12 and CEC-2018 Sec 64-218 Rapid Shutdown of PV Systems

\*1 Nominal voltage/frequency range can be changed due to the requirements of local power department.

\*2 Refer to local requirements for exact number of microinverters per branch.