



HM-300T/350T/400T

The perfect lightweight and compact selection for your PV system

Highlights

- Easy installation, just plug and play
- External antenna for stronger communication with DTU
- Power factor (adjustable) 0.8 leading.....0.8 lagging
- High reliability; NEMA (IP67) enclosure; 6000V surge protection



Safer



Smarter



More Powerful



More Reliable

| Model | HM-300T | HM-350T | HM-400T |
|-----------------------------------|--|--|--|
| Input Data (DC) | | | |
| Commonly used module power (W) | 240~380 | 280~440 | 320~500 |
| 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) | 29~48 | 33~48 | 34~48 |
| 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) | 11.5 | 11.5 | 12.5 |
| Output Data (AC) | | | |
| Rated output power (VA) | 300 | 350 | 400 |
| Rated output current(A) | 1.36 / 1.30 / 1.25 | 1.59 / 1.52 / 1.46 | 1.82 / 1.74 / 1.67 |
| Nominal output voltage (V) | 220 / 230 / 240 | 220 / 230 / 240 | 220 / 230 / 240 |
| Nominal output voltage range (V) | 180-275 ¹ | 180-275 ¹ | 180-275 ¹ |
| Nominal frequency/range (Hz) | 60/55-65 ¹ | 60/55-65 ¹ | 60/55-65 ¹ |
| Power factor (adjustable) | >0.99 default 0.8 leading...0.8 lagging | >0.99 default 0.8 leading...0.8 lagging | >0.99 default 0.8 leading...0.8 lagging |
| Total harmonic distortion | <3% | <3% | <3% |
| Maximum units per branch(12AWG) | 16 / 16 / 16 | 14 / 14 / 14 | 12 / 12 / 12 |
| Maximum units per branch(10AWG) | 22 / 23 / 24 | 18 / 19 / 20 | 16 / 17 / 18 |
| 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) | 182 x 164 x 29.5 | | |
| Weight (kG) | 1.75 | | |
| 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, CSA C22.2 No. 107.1-16, NOM-001-SCFI-1993, FCC Part15, ANSI C63.4, ICES-003 | | |

*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.