



HM-300A/350A/400A

Smaller and Easier
Specific designed for AC Module

Highlights

- Easy installation, just plug and play
- External antenna for stronger communication with DTU
- Power factor (adjustable) 0.8 leading.....0.8 lagging
- Compliant with AS/NZS 4777.2 : 2015 & 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-300A | HM-350A | HM-400A |
|-----------------------------------|--|--|--|
| Input Data (DC) | | | |
| Commonly used module power (W) | 240~380 ¹ | 280~440 ¹ | 320~500 ¹ |
| 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 apparent power (VA) | 300 | 350 | 400 |
| Rated output current (A) | 1.30 / 1.25 | 1.52 / 1.46 | 1.74 / 1.67 |
| Nominal output voltage (V) | 230 / 240 | 230 / 240 | 230 / 240 |
| Nominal output voltage range (V) | 180-275 ² | 180-275 ² | 180-275 ² |
| Nominal frequency/range (V) | 50/45-55 ² | 50/45-55 ² | 50/45-55 ² |
| 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 | 16 / 16 | 14 / 14 | 12 / 12 |
| 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 | 12 years standard, 25 years optional | | |
| Compliance | IEC/EN62109-1/-2, IEC/EN61000-6-1/-2/-3/-4, IEC/EN61000-3-2/-3, AS/NZS4777.2 : 2015, EN50549-1 : 2019, VDE-AR-N 4105 : 2018 | | |

¹ Maximum DC input at 25°C is limited to 350W according to AS/NZS 5033:2014 4.3.12

² Nominal voltage/frequency range can be changed due to the requirements of local power department

High Reliability Based on World's Top Supplier Partners

