

HM10-H (3-PHASE)

All-In-One Residential Energy Storage System

IP66

IP66
ENCLOSURES



COLD TEMPERATURE
RESISTANCE



Easy Installation



24/7 Monitoring System



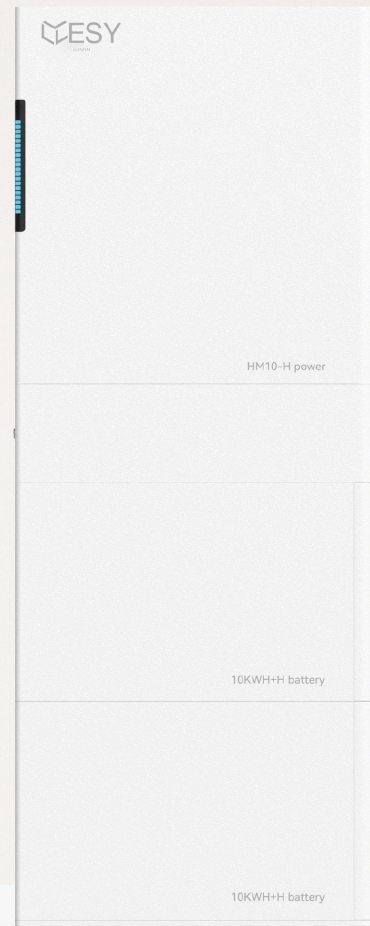
Secure Backup Power for
Power Outages



Artificial Intelligence



Scalable System Capacity



| Model | No. of Modules | Max. Output Power | Usable Energy | Dimensions (LxWxH) | Weight |
|-----------|----------------|-------------------|---------------|---------------------------------------|--------|
| HM10-H-20 | 2 | 10 kW | 21.08 kWh | 660x270x1698 mm | 213 kg |
| HM10-H-30 | 3 | 10 kW | 31.62 kWh | 660x270x2098 mm | 298 kg |
| HM10-H-60 | 6 | 10 kW | 63.24 kWh | (660x270x2098 mm)+(660x270x1408 mm)*1 | 558 kg |
| HM10-H-90 | 9 | 10 kW | 94.86 kWh | (660x270x2098 mm)+(660x270x1408 mm)*2 | 818 kg |

| Parameters | | | |
|-------------------------------------|-------------------------|-------------------------------------|--------------------------|
| Battery Type | IFpP | Cooling Method | Natural Cooling |
| Cycle Life | ≥6000 Times 25 °C | Operating Temperature Range | -25~60 °C |
| Conversion Efficiency | 98.20% | Optimum Operating Temperature Range | 25±2 °C |
| MPPT Efficiency | 99.90% | Humidity | 0~100% Relative Humidity |
| Mounting | Modular Stacking/Ground | Noise Level | ≤25 dB |
| Communication | WiFi/Bluetooth | Protection Rating | IP66 |
| Application Software Support System | iOS/Android/Web | Warranty | 10 Years |

| PV Input | | AC Output (Backup) | |
|----------------------------|----------------------|------------------------|-----------------------|
| Max. Input Power | 15 kW | Rated Output Power | 10 kW |
| Rated Input Voltage | 600 Vd.c. | Max. Output Power | 10 kVA |
| Max. Input Voltage | 1100 Vd.c. | Rated Output Voltage | 400 Va.c. 3L/N/PE |
| MPPT Voltage Range | 160 Vd.c.~1000 Vd.c. | Rated Output Frequency | 50/60 Hz |
| PV Max. Input Current | 15 Ad.c./15 Ad.c. | Rated Output Current | 15.2 Aa.c./14.4 Aa.c. |
| Max. Short Circuit Current | 20 Ad.c./20 Ad.c. | Max. Output Current | 15.2 Aa.c. |
| MPPT | 2 | Current Harmonics | ≤3% (Linear Load) |
| | | Switching Time | ≤10 ms |

| Battery | | Protection | |
|-------------------------|----------------------------|-------------------------------------|-----|
| Rated Standby Voltage | 51.2 Vd.c. | Anti-islanding Protection | Yes |
| Rated Operating Voltage | 400 Vd.c. | PV Reverse Polarity Protection | Yes |
| Voltage Range | 380 Vd.c.~410 Vd.c. | Insulation Resistance Detection | Yes |
| Protection | BMS/Software/Hardware/Fuse | Residual Current Detection | Yes |
| | | Output Overcurrent Protection | Yes |
| | | Output Short Circuit Protection | Yes |
| | | Battery Reverse Polarity Protection | Yes |

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