



Single Phase ESS Hybrid Inverter

Compatible with Midea Smart Low Voltage ESS



Energy Independence

- Typical 10ms fast transition to backup mode during power outage
- 4 MPPT trackers
- Support diesel generator access



Midea EMS Supports Maximum Self-consumption

- 78% self-consumption with Midea EMS system connect with heat pump



High Yield

- DC Max. efficiency 97% , Battery charge/discharge efficiency 97.2%
- Max. charging/discharging current up to 190A

| Model | ME-HS8L |
|--------------------------------------|---|
| Input (PV) | |
| Max. PV Power (kW) | 12 |
| Max. PV voltage (V) | 500 |
| MPPT voltage range (V) | 120-500 |
| Max. input current of single MPPT(A) | 12 |
| MPPT tracker/strings | 4/1 |
| Max. short current (A) | 15 |
| Start operating voltage (V) | 120 |
| Input (BAT) | |
| Compatible battery type | Lithium-iron/Lead-acid |
| Battery voltage range (V) | 40-60 |
| Max. charge current (A) | 190 |
| Max. discharge current (A) | 190 |
| Max. charge/discharge power (W) | 8000/8000 |
| Max. charging voltage(V) | 60 |
| Output (Grid) | |
| Rated output power(VA) | 8000 |
| Max. AC output apparent power (VA) | 8800 |
| Max. AC output current (A) | 38.3 |
| Rated AC voltage (V) | 230 |
| AC voltage range (V) | 220,230,240 |
| Rated grid frequency (Hz) | 50/60 |
| AC output topology | L+N+PE |
| Power factor | 0.8 lagging-0.8 leading |
| THDI | <3% |
| Output (Back up) | |
| Nominal output voltage (V) | 220,230,240 |
| Nominal output frequency (Hz) | 50/60 |
| Nominal output power (VA) | 8000 |
| Nominal output current (A) | 38.3 |
| Transfer time (ms) | 10(typ) / 20(max) |
| THDu | <2% |
| Efficiency | |
| Battery charge /discharge efficiency | 97.20% |
| DC Max. efficiency | 97.00% |
| Europe efficiency | 97.80% |
| MPPT efficiency | 99.90% |
| General data | |
| Max. operation altitude (m) | 2000 (derating above 2000m) |
| Noise emission (dB) | <35 |
| Ingress protection degree | IP65 |
| Operating temperature range (°C) | -25~60 |
| Relative humidity (%) | 0-95 (non-condensing) |
| Cooling | Fan Cooling |
| Dimensions (W*H*D) (mm) | 430*710*220 |
| Weight (Kg) | 41 |
| Isolation transformer | No |
| Self-consumption (W) | < 5 |
| Protection | |
| DC switch | Support |
| DC reverse polarity protection | Support |
| Over temperature protection | Support |
| Overpower protection | Support |
| AC overcurrent protection | Support |
| AC short circuit protection | Support |
| Insulation detection | Support |
| Display and communication | |
| Display | LED+APP |
| Communication interface | RS485, CAN, DRM/RS485 (for Meter), Optional: WiFi |
| Certification | |
| Grid | NRS097-2-1 |
| Safety | IEC 62109-1/-2 |
| EMC | IEC 61000-6-1, IEC 61000-6-3 |
| Warranty (years) | 5 |