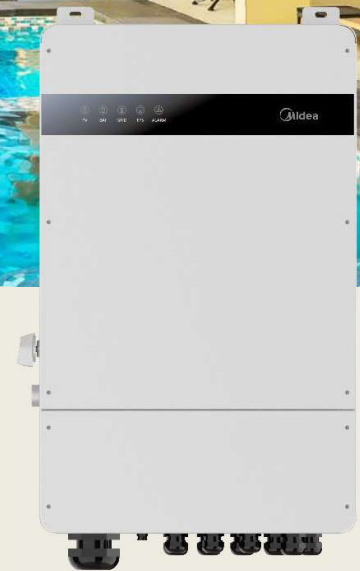




## Single Phase ESS Hybrid Inverter

Compatible with Midea Smart Low Voltage ESS

**ME-HS8L - 8kW**



### Energy Independence

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



### 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

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\* Appearance and parameters are subject to adjustment without prior notice

Model	ME-HS8L
<b>Input (PV)</b>	
Max. PV Power (W)	12000
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
<b>Input (BAT)</b>	
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
<b>Output (Grid)</b>	
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%
<b>Output (Back up)</b>	
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%
<b>Efficiency</b>	
Battery charge /discharge efficiency	97.20%
DC Max. efficiency	97.00%
Europe efficiency	97.80%
MPPT efficiency	99.90%
<b>General data</b>	
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*D*H) (mm)	460*225*760
Weight (Kg)	41
Isolation transformer	No
Self-consumption (W)	< 5
<b>Protection</b>	
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
<b>Display and communication</b>	
Display	LED+APP
Communication interface	RS485, CAN, DRM/RS485 (for Meter), Optional: WIFI
<b>Certification</b>	
Grid	NRS097-2-1
Safety	IEC 62109-1/-2
EMC	IEC 61000-6-1, IEC 61000-6-3
Warranty (years)	5