



Three Phase ESS Hybrid Inverter

Compatible with Midea Smart High Voltage ESS
Compatible with Midea Wallbox "EV Charger"



Energy Independence

- Typical 10ms fast transition to backup mode during power outage
- < 2.5 Hours (8kW/10kWh system) high efficiency circulation for charging and discharging
- Support diesel generator access



Midea EMS for Maximum Self-sufficiency

- 90% energy self-sufficiency with Midea EMS connect with heat pump



High yield

- DC Max. efficiency 97.9%
- Battery charge/discharge efficiency 97.5%

Model	ME-HT6H	ME-HT8H	ME-HT10H	ME-HT12H	ME-HT15H
Input (PV)					
Max. PV Power (kW)	9	12	15	18	22.5
Max. PV voltage (V)	1000				
MPPT voltage range (V)	180-850				
Max. input current of single MPPT(A)	13				13
Number of MPPT Trackers	2				2
Strings Per MPPT Tracker	1				2
Max. short current (A)	16				25
Start operating voltage (V)	180				
Input (BAT)					
Compatible battery type	Lithium-iron/Lead-acid				
Battery voltage range (V)	125-600				
Max. charge current (A)	50				
Max. discharge current (A)	50				
Max. charge/discharge power (W)	6600/6600	8800/8800	11000/11000	13200/13200	16500/16500
Max. charging voltage(V)	600				
Output (Grid)					
Rated output power(VA)	6000	8000	10000	12000	15000
Max. AC output apparent power (VA)	6600	8800	11000	13200	16500
Max. AC output current (A)	9.5	12.7	15.9	19.1	23.8
Rated AC voltage (V)	400				
AC voltage range (V)	360-440				
Rated grid frequency (Hz)	50/60				
AC output topology	3W+N+PE				
Power factor	0.8 lagging-0.8 leading				
THDI	<3%				
Output (Back up)					
Nominal output voltage (V)	400				
Nominal output frequency (Hz)	50/60				
Nominal output power (VA)	6000	8000	10000	12000	15000
Nominal output current (A)	8.7	11.5	14.4	17.3	21.7
Transfer time (ms)	10(typ) / 20(max)				
THDu	<2%				
Efficiency					
Battery charge /discharge efficiency	97.5%	97.5%	97.5%	97.6%	97.8%
DC Max. efficiency	97.9%	97.9%	98.2%	98.2%	98.5%
Europe efficiency	97.2%	97.2%	97.5%	97.5%	97.6%
MPPT efficiency	99.9%				
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	Natural				
Dimensions (W*H*D) (mm)	530*600*200				
Weight (Kg)	30	31	31	33	34
Isolation transformer	No				
Self-consumption (W)	<15				
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				
Grid phase protection	Support				
Display and communication					
Display	LED+APP				
Communication interface	RS485, CAN, DRM/RS485 (for Meter), WiFi				
Certification					
Grid	CEI 0-21, G98/G99, VDE4105/0124, NC RfG, TR3.2.1, NRS097-2-1				
Safety	IEC/EN62109-1/-2				
EMC	IEC/EN 61000-6-1, IEC/EN 61000-6-3				
Warranty (years)	5				

* Appearance and parameters are subject to adjustment without prior notice



Smart High Voltage Energy Storage

(Compatible with Midea Three Phase Hybrid Inverter)

Safe & Reliable by Lithium Iron Phosphate (LFP) Cell



Friendly Installation

- Quick installation by single person in 10mins (hard connection by EV standard connector without wire)
- Height adjustable with 4 support legs from 0-10cm for uneven ground and flood prevention
- Automatically assign addresses for battery grouping



Advanced High Voltage Technology

- Dual-protection by soft protection in BMS and physical protection
- Higher efficiency with low current
- Electric vehicle Class BMS for high reliability



Flexible Expansion

- Stacks capacity from 10.0kWh to 75.0kWh
- With each stack supporting maximum 25.0kWh to save space

Model	ME-B10H	ME-B15H	ME-B20H	ME-B25H
Module Number	2	3	4	5
Nominal Battery Energy (kWh)	10.2	15.3	20.4	25.5
Nominal Voltage (V)	204.8	307.2	409.6	512.0
Maximum Continuous Discharge Power (kW)	5	8	12	16
Maximum Continuous Charge Power (kW)	5	8	12	16
Dimension [W*H*D] (mm)	700*600*370	700*765*370	700*930*370	700*1095*370
Net Weight (Kg)	126.1	175.4	224.7	274.0
Depth of Discharge	90%			
Charging Temp . Range (°C)	0~50			
Discharging Temp . Range (°C)	-20~55			
Communication	CAN/RS485			
Warranty (Years)	10			
Calendar Life	≥6000 Cycles			
Protection Level	IP65			
Color	White			
Protection	Overcharge/Overdischarge/Overcurrent/Overtemperature/Short Circuit			
Pros	Can be used in both off-grid and hybrid setups, compact design, modular expansion			
Module Connection Method	Series			
Mounting Method	Floor-standing			
Certification	CE/UN38.3/IEC62619			
Max. Operating Altitude (m)	2000			
Compatible Inverter	ME-HT6H / ME-HT8H / ME-HT10H / ME-HT12H / ME-HT15H			

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