Midea MHELIOS Home Energy Storage Unit (5-40 kWh)

H1- (5-20) -E0

Safe and reliable

- Highest safety standards VDE 2510-50, Lithium Iron Phosphate (LFP) Cell

More usable energy

- 6000 cycles battery, 100% DOD

Weather resistant

- IP 65 design, Intelligent self-heating function to resist extreme cold weather

Quick installation

- Plug and play wiring terminals for time-saving and flexible installation

Flexibility

- Supports parallel connection of 2 battery clusters, expandable up to 40 kWh capacity range.

Midea Energy Storage Unit




Performance	H1-5-E0	H1-10-E0	H1-15-E0	H1-20-E0
Number of power modules	1	1	1	1
Battery module energy [1]	5 kWh			
Number of battery Modules	1	2	3	4
Battery total energy	5 kWh	10 kWh	15 kWh	20 kWh
Max. output power	2.5 kW	5 kW	5 kW	5 kW
Nominal voltage(three phase system)	600 V			
Operating voltage range(three phase system)	600-980 V			
Max. charge / discharge current (continuous)	4.2 A	8.3 A	8.3 A	8.3 A
Scalability	Max. 2 systems in parallel operation			
Communication				
Display	SOC status indicator, LED indicator			
Communication	RS485			
General Specification				
Dimension (W*H*D)	690x815x168mm	690x1223x168mm	690x1631x168mm	690x2038x168mm
Weight (Floor stand toolkit included)	78 kg	131 kg	184 kg	237 kg
Power module dimension (W*H*D)	690x407x168 mm			
Power module weight	25.3 kg			
Battery module dimension (W*H*D)	690x402x168 mm			
Battery module weight	53 kg			
Installation	Floor stand			
Operating temperature	Charge: 0℃～+ 55℃ Discharge: -20℃～+55℃			
Max. operating altitude	2000 m			
Environment	Outdoor/Indoor			
Relative humidity	5%～95%			
Cooling	Natural convection			
Protection rating	IP65			
Cell technology	Lithium-iron phosphate ($LiFePO_4$)			
Compatible inverters	Midea Energy Manager(Three Phase)			
Certification	IEC/EN 62109-1, IEC/EN 62477, EN 61000-6-1, EN 61000-6-3, IEC62619, UN38.3, IEC/EN 62040-1, VDE 2510-50			
Country of manufacture	China			
Warranty				
Warranty	10 years			

1. Test conditions: 100% depth of discharge(DoD), 0.2C rate charge & discharge at 25℃, at the beginning of life.

*All specifications are subject to change without notice.