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

H1- (5-40) -E1

Safe and reliable

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

More Usable Energy

- 100% DOD, 6000 cycles, 10 years warranty

Flexible Investment

- Support to mix new and old battery modules in one system tage series connection

Weather resistant

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

Midea Energy Storage Unit




System Parameters	H1-5-E1	H1-10-E1	H1-15-E1	H1-20-E1
Number of Bidirectional DC/DC Unit	1	1	1	1
Battery module energy	5 kWh			
Number of energy storage module	1	2	3	4
Battery usable energy[1]	5 kWh	10 kWh	15 kWh	20 kWh
Max. output power	2.5 kW	5 kW	5 kW	5 kW
Nominal voltage (single system)	350 V			
Operating voltage range (single phase system)	315-413 V			
Display	SOC status indicator, LED indicator			
Communication	RS485			
Dimension (W*H*D)	690*622*168 mm	690*1024*168 mm	690*1426*168 mm	690*1828*168 mm
Weight (Floor stand toolkit included)	71 kg	124 kg	177 kg	230 kg
Installation	Floor stand			
Operating temperature	—20°C ～ + 55°C (-4 ℉ ~131 ℉)			
Max. operating altitude	2000m			
Environment	Outdoor/ Indoor			
Relative humidity	5%-95%			
Cooling	Natural convection			
Protection rating	IP 65			
Cell technology	Lithium-iron phosphate ($LiFePO_4$)			
Bidirectional DC/DC Unit				
Rated charge and discharge power	5 kW			
Nominal voltage	350 V			
Operating voltage range(three phase system)	315-413 V			
Power module dimension (W*H*D)	690*220*168 mm			
Power module weight	18 kg			
Ingress Protection	IP 65			
Energy Storage Module				
Nominal voltage	51.2 V			
Voltage range	45-57.6 V			
Max. continuous current	50 A			
Battery usable energy[1]	5.12 kWh			
Battery module dimension (W*H*D)	690*402*168mm			
Battery module weight	53 kg			
Ingress protection	IP 66			
Standard				
Certification	IEC 62477, EN 61000-6-1, EN 61000-6-3, IEC62619, UN38.3, IEC 62040-1, VDE2510-50			

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.