

MHELIOS



Midea MHELIOS Home Energy Storage System (Single-Phase)



Midea MHELIOS Home Energy Manager (Single-Phase)

Midea MHELIOS Home Energy Storage System (H1-E1 Series)

Midea MHELIOS Home Energy Storage System (H2-E0 Series)

About Midea

Midea Group is a Fortune 500 company, with robust business growth across multiple sectors. We believe in humanizing-technology and provide customized solutions for smart home appliances, electro-mechanical, building technologies, robotic&automation and digital innovation.

#278

2023 Fortune
Global 500

#199

2023 Forbes
Global 2000

#36

Brand Finance 2022
Top 100
Most Valuable Tech Brands

200+

Countries & Regions of
Operation

A/A3/A

S&P/Moody's/Fitch
Credit Ratings

160,000+

Employees

31

R&D centers
in 12 countries
all around the world

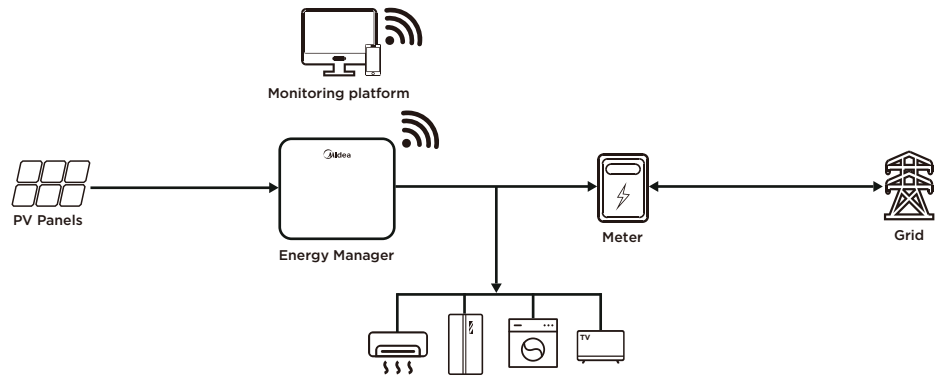
40

Production centers
in 14 countries
all around the world



Midea MHELIOS Home Energy Manager

M1-S3/3.6/4/4.6/5/6K



Higher Yield

- 200% PV oversize, 16A MPPT current, 75V Start-up Voltage, 60V operating Voltage

Worry-free of outages

- 20ms switching time and 150% backup output, keep appliances running during outages

Fast Charging

- 30A charging current, Maximize solar energy self-consumption and achieve higher yield

Intelligent Management

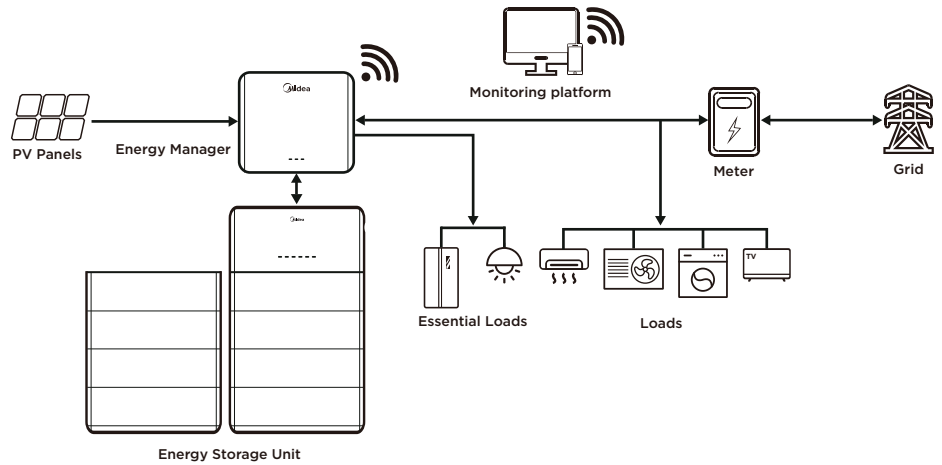
- High self-consumption with optimized built-in energy management function

Inverter Model	M1-S3 K	M1-S3.6 K	M1-S4 K	M1-S4.6 K	M1-S5 K	M1-S6 K
Input (PV)						
Recommended max. PV power	6000 Wp	7400 Wp	8000 Wp	9200 Wp	10000Wp	12000 Wp
Max. input voltage	600 V					
MPPT operating voltage range	60-550 V					
Max. input current per MPPT	16 A					
Number of MPP trackers	2					
Input (DC Battery)						
Compatible Battery	Midea Energy Storage Unit (H1&H2 battery)					
Operating voltage range	85-460 V					
Max charge/discharge power (W)	4500/3000	5500/3680	6000/4000	6000/4600	6000/5000	6000/6000
AC Output						
Grid connection	Single Phase					
Max. apparent Power	3300 VA	3680 VA	4000 VA	4600 VA	5000 VA	6000 VA
Rated output voltage	220 V/230 V/240 V					
General						
Ingress protection	IP65					
Dimension(W/H/D, mm) & Weight	440x475x187 mm,22 kg					
Efficiency						
Max. efficiency	97.6%					
Standard Compliance						
EMC	IEC/EN62109-1 & IEC/EN62109-2, LVD-2014/35/EU					
Safety	EN 61000-6-1, EN 61000-6-3, EN 62920					
Grid	CEIO-21,VDE-AR-N 4105,VDE 0126-1-1,UTE C 15-712-1, EN 50549, IEC 62116, IEC 61727, G98/G99					
Warranty						
Warranty	10 years					

*All specifications are subject to change without notice.



Midea MHELIOS Home Energy Storage System M1-S3/3.6/4/4.6/5/6 K H1-(5-40)-E1



Higher Yield

- 200% PV oversize, 16A MPPT current, 75V start-up voltage, 30A charging current

Intelligent management

- Integrated features (back-up power, energy management function, etc.) maximize cost savings

Safe and reliable

- Highest Safety Standards VDE 2510-50, Lithium Iron Phosphate (LFP) Cell

Flexible application

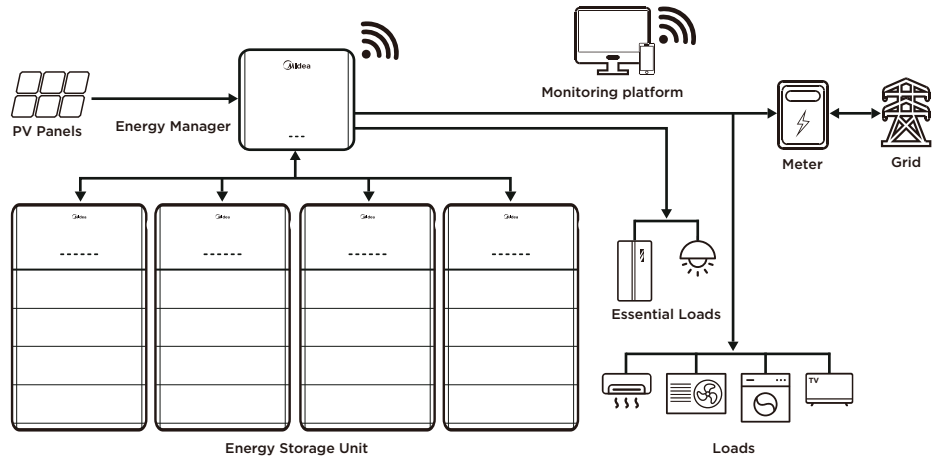
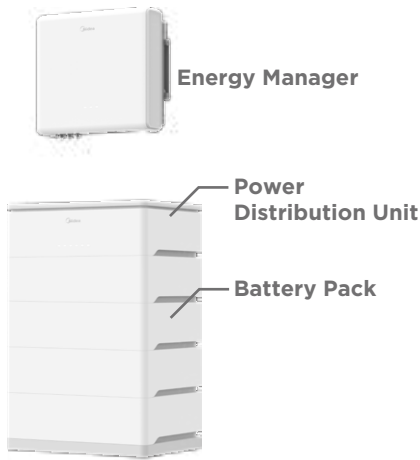
- Modular design for easy installation and transportation, up to 40kWh

Inverter Model	M1-S3 K	M1-S3.6 K	M1-S4 K	M1-S4.6 K	M1-S5 K	M1-S6 K
PV Input						
Recommended max. PV power	6000 Wp	7400 Wp	8000 Wp	9200 Wp	10000 Wp	12000 Wp
Max. input voltage	600 V					
MPPT operating voltage range	60-550 V					
Max. input current per MPPT	16 A					
Number of MPPT	2					
AC Output						
Max. apparent power(Grid)	3300 VA	3680 VA	4000 VA	4600 VA	5000 VA	6000 VA
Max. apparent power(Backup)	3000 VA	3600 VA	4000 VA	4600 VA	5000 VA	6000 VA
Rated output voltage	220 V/230 V/240 V					
Battery Model						
Battery modules	H1-(5-40)-E1					
Max. charge/discharge power	5 kWh, 48 V					
Cell technology	LiFePO ₄					
Standard Compliance						
Inverter	EN 61000-6-1/3, EN 62920, IEC62109-1/2, EN 50549-1, VDE-AR-N 4105, CEI 0-21, G99, UTE C15-712-1, UNE 217002, TR321, TR322, C10/11					
Battery	IEC/EN 62109-1, IEC/EN 62477, VDE 2510-50, EN 61000-6-1, EN 61000-6-3, IEC62619, UN38.3, IEC/EN 62040-1					
Warranty						
Inverter	10 years					
Battery	10 years					

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Midea MHELIOS Home Energy Storage System M1-S3/3.6/4/4.6/5/6 K H2-(4-64)-EO



Higher yield

- 200% PV oversized, 16 A input current, 75V low start output voltage, 30A battery fast charging

Intelligent management

- Integrated features (back-up power, energy management function, etc.) maximize cost savings

Safe and reliable

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

Easy installation

- Modular plug design requires no internal wiring for maximum flexibility and ease of use

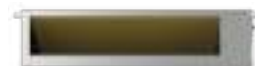
Inverter Model	M1-S3 K	M1-S3.6 K	M1-S4 K	M1-S4.6 K	M1-S5 K	M1-S6 K
PV Input						
Recommended max. PV power	6000 Wp	7400 Wp	8000 Wp	9200 Wp	10000 Wp	12000 Wp
Max. input voltage	600 V					
MPPT operating voltage range	60-550 V					
Max. input current per MPPT	16 A					
Number of MPPT	2					
AC Output						
Max. apparent power(Grid)	3300 VA	3680 VA	4000 VA	4600 VA	5000 VA	6000 VA
Max. apparent power(Backup)	3000 VA	3600 VA	4000 VA	4600 VA	5000 VA	6000 VA
Rated output voltage	220 V/230 V/240 V					
Battery Model						
Battery modules	4 kWh, 102.4 V					
Max. charge/discharge power	6000 W					
Cell technology	LiFePO ₄					
Standard Compliance						
Inverter	EN 61000-6-1/3, EN 62920, IEC62109-1/2, EN 50549-1, VDE-AR-N 4105, CEI 0-21, G99, UTE C15-712-1, UNE 217002, TR321, TR322, C10/11					
Battery	IEC/EN 62109-1, IEC/EN 62477, VDE 2510-50, EN 61000-6-1, EN 61000-6-3, IEC62619, UN38.3, IEC/EN 62040-1					
Warranty						
Inverter	10 years					
Battery	10 years					

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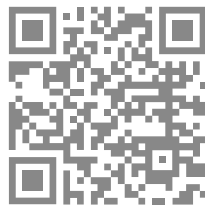
All-In-One Green Smart Home Solution

Smart control helps you live a smart, green lifestyle





make yourself at home



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