

MHELIOS



Midea MHELIOS Home Energy Storage System (Single-Phase)



Midea MHELIOS Home Energy Manager (Single-Phase)

Midea MHELIOS Home Energy Storage System

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

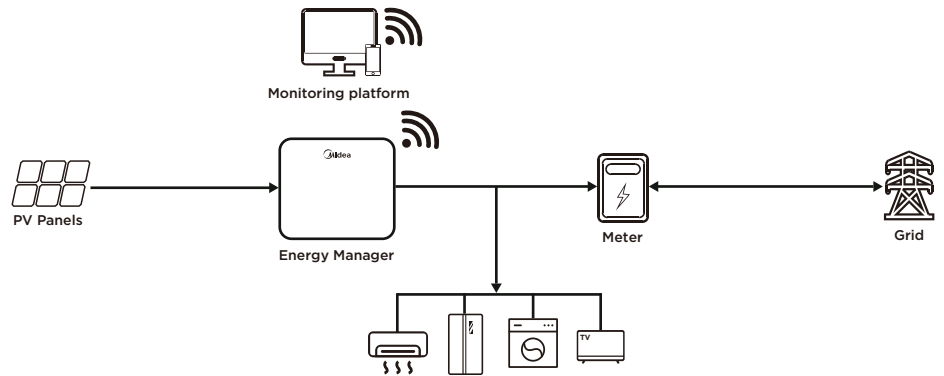
40

Production centers
in 14 countries
all around the world



Midea MHELIOS Home Energy Manager

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



Intelligent Management

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

Quick Installation

- Easy plug and play installation, touch free commissioning with smartphone

Flexible application

- Battery ready, meet multi-scenarios: PV installation only, battery added and battery extension capability

Easy to maintenance

- Free online monitoring, All information about PV system is available anytime and anywhere.

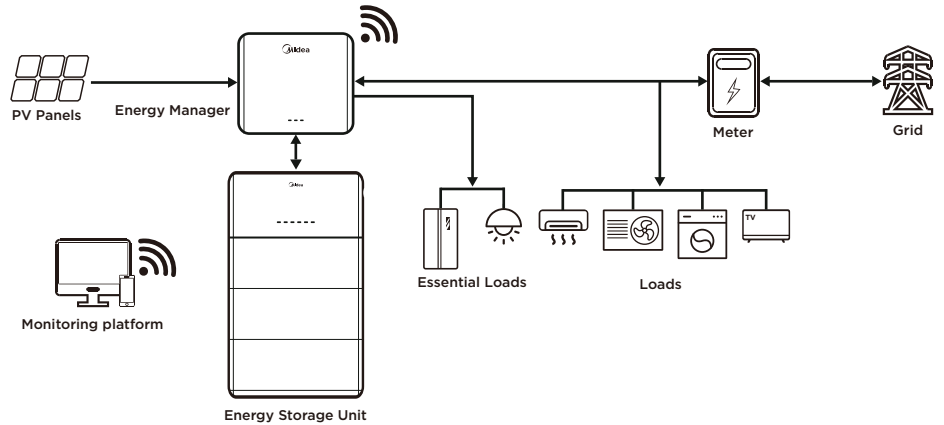
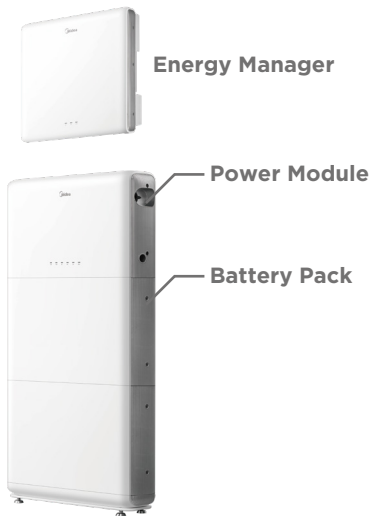
Inverter Model	M1-S3K	M1-S3.6K	M1-S4K	M1-S4.6K	M1-S5K	M1-S6K
Input (PV)						
Recommended max. PV power	6000Wp	7400Wp	8000Wp	9200Wp	10000Wp	12000Wp
Max. input voltage	600V					
MPPT operating voltage range	60-550V					
Max. input current per MPPT	16A					
Number of MPPT trackers	2					
Input (DC Battery)						
Compatible Battery	Midea Energy Storage Unit (H1&H2 battery)					
Operating voltage range	80V-460V					
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	3300VA	3680VA	4000VA	4600VA	5000VA	6000VA
Rated output voltage	220V AC/230V AC/240V AC					
General						
Ingress protection	IP65					
Dimension(W/H/D, mm) & Weight	440*475*187mm,22kg					
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.



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M1-S3/3.6/4/4.6/5/6K
H1-(5-40)-E1
H2- (4-40)-E0



Higher production

- More energy using DC coupled solution architecture that stores PV power directly to the battery without AC conversion losses

Intelligent Management

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

Safety and reliable

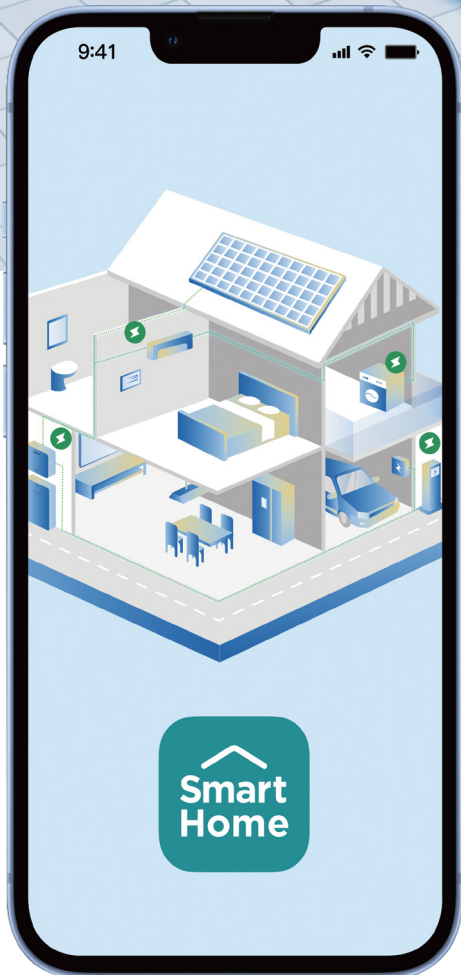
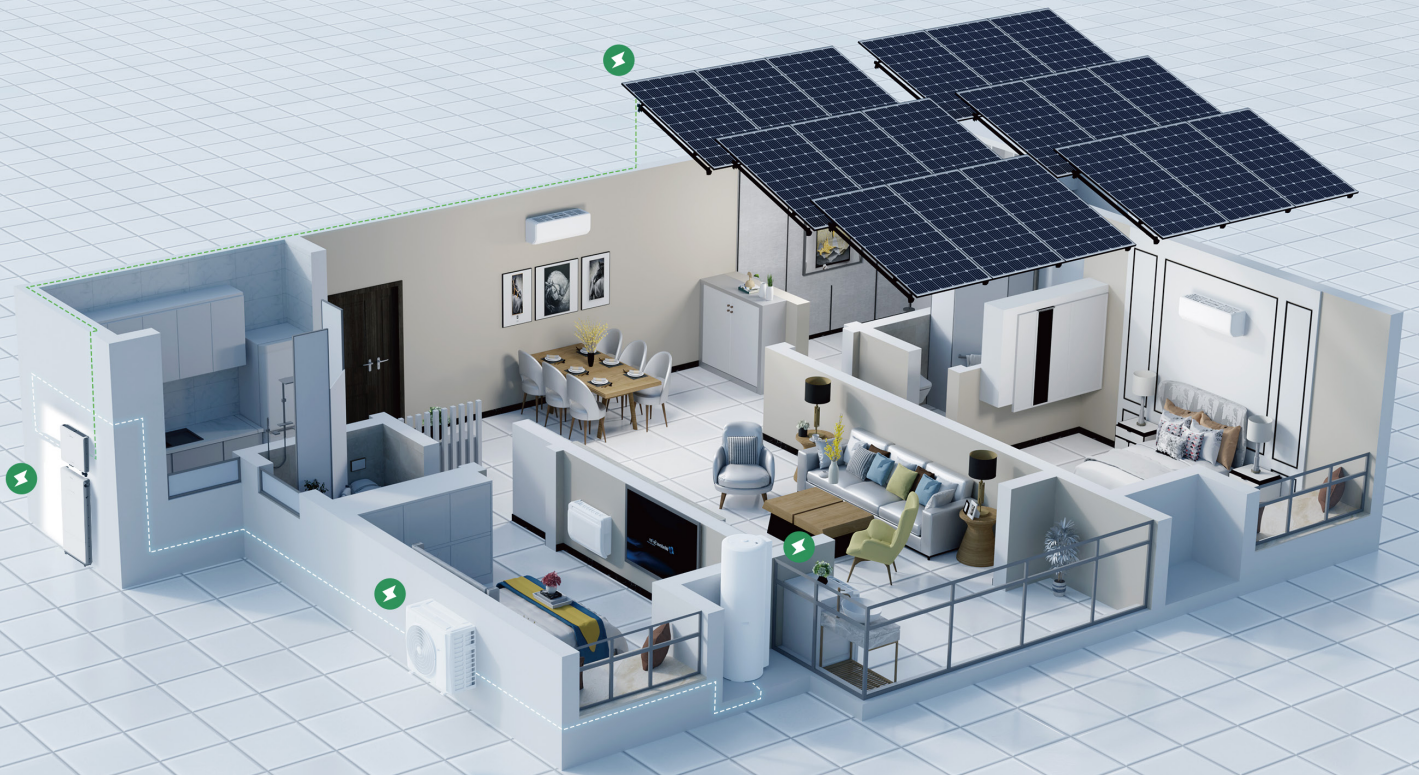
- Electrical isolation and BMS protection functions ensure battery safety

Flexible application

- Modular design for easy installation and transportation

Inverter Model	M1-S3K	M1-S3.6K	M1-S4K	M1-S4.6K	M1-S5K	M1-S6K
PV Input						
Recommended max. PV power	6000Wp	7400Wp	8000Wp	9200Wp	10000Wp	12000Wp
Max. input voltage	600V					
MPPT operating voltage range	60V-550V					
Max. input current per MPPT	16A					
Number of MPPT	2					
AC Output						
Max. Apparent Power(Grid)	3300VA	3680VA	4000VA	4600VA	5000VA	6000VA
Max. Apparent Power(Backup)	3000VA	3600VA	4000VA	4600VA	5000VA	6000VA
Rated output voltage(Vac)	220V AC/230V AC/240V AC					
Battery Model	H1-(5-40)-E1			H2-(4-64)-E0		
Battery modules	5kWh, 48V			4kWh, 102.4V		
Max. charge/discharge power	5000W			6000W		
Cell technology	LiFePO ₄					
Standard Compliance						
Safety	IEC/EN62109-1 & IEC/EN62109-2, LVD-2014/35/EU					
EMC	EN 61000-6-1, EN 61000-6-3, EN 62920					
Grid	CEI0-21,VDE-AR-N 4105,VDE 0126-1-1,UTE C 15-712-1, EN 50549, IEC 62116, IEC 61727, G98/G99					
Warranty						
Inverter	10 years					
Battery	10 years					

*All specifications are subject to change without notice.



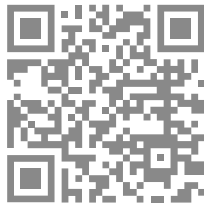
All-In-One Green Smart Home Solution

Smart control helps you live a smart, green lifestyle





make yourself at home



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🌐 <https://www.midea.com/global/mhelios>