ENERGY LINKS ALL

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POWERINFI SERIES
ALL-IN-ONE RESS

SINGLE-PHASE / THREE-PHASE



DESIGN AWARD 2026

reddot winner 2026

ENERGY LINKS ALL

About Midea Group

Midea Group is a global leading technology group integrating seven major business segments: Smart Home, Industrial Technologies, Building Technologies, KUKA, New Energy, Healthcare, and Logistics.

Operating in over 200 countries and regions with 400+ subsidiaries, 41 R&D centers, and 68 manufacturing bases worldwide, Midea delivers trusted products and services to over 600 million users annually. Guided by our strategic pillars of Technology Leadership, User Direct Reach, Digital Intelligence Drive, and Global Breakthroughs, we are committed to bringing technology to perfection and making life better.

Global Impact

2025	2024	CY 2024	Credit Ratings
64 B USD	**165** K	**190** K	**A/A2/A**
Total Revenue	Global Patents	Number of Employees	S&P/Moody's/Fitch

FORTUNE GLOBAL 500 2026	Global Top 8 2024	Global 500 Brand Finance 2026	Brand Finance Tech100 2026
#231	**No.1**	**#228**	**#39**
2026 Fortune Global 500	Patent Holder Among China's Private Companies	Brand Finance 2026 Top 500 Most Valuable Brands	Brand Finance 2024 Top 100 Most Valuable Tech Brands



Hybrid Inverter Series

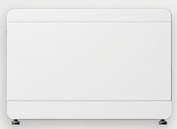


SINGLE-PHASE
5-12kW



THREE-PHASE
5-15kW

Battery Series

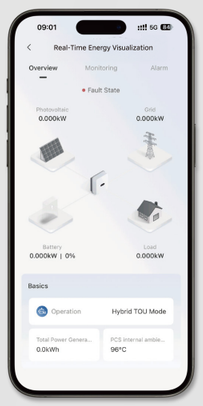


7kWh Stackable Battery
7-84kWh

Gateway Series



App

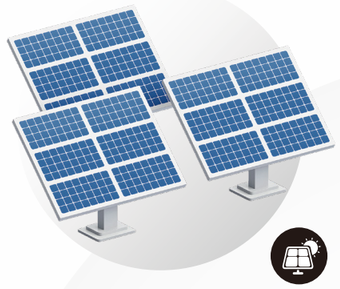


iOS

Android

Hybrid Inverter

Superior Efficiency Maximizes Energy Harvest



Up to 200% PV Input Power

Eliminates energy clipping and captures every watt



3 Independent MPPTs

Turns complex roofs into 360° power station



Up to 200% Grid Input Power

Enables ultra-fast charging and massive power reserve



Up to 97.6% Conversion Efficiency

Intelligent Scheduling Optimizes Energy Economy

VPP-Ready

Unlocks energy markets for active income

Dynamic Tariff Response

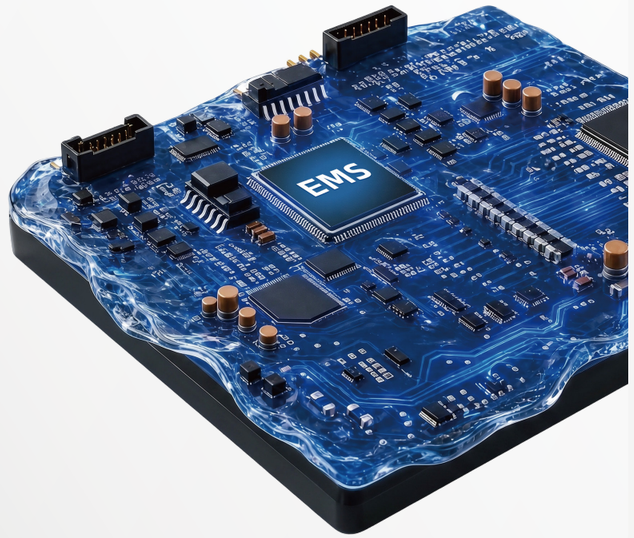
Optimizes electricity spending in real-time

6-Period Time of Use

Tailors power usage to tariff changes

Smart Peak Shaving

Reduces grid reliance during high-demand periods



Robust Backup Secures Continuous Power

10ms On/Off-Grid Switching

Maintains uninterrupted electricity during power outages

200% Peak Output for 10s

Starts heavy appliances with powerful surge capacity

6-Inverter Paralleling

Backs up any heavy appliance effortlessly



Stackable Battery

Future-Ready Flexibility

Scalable Capacity
Expands to meet diverse power demands

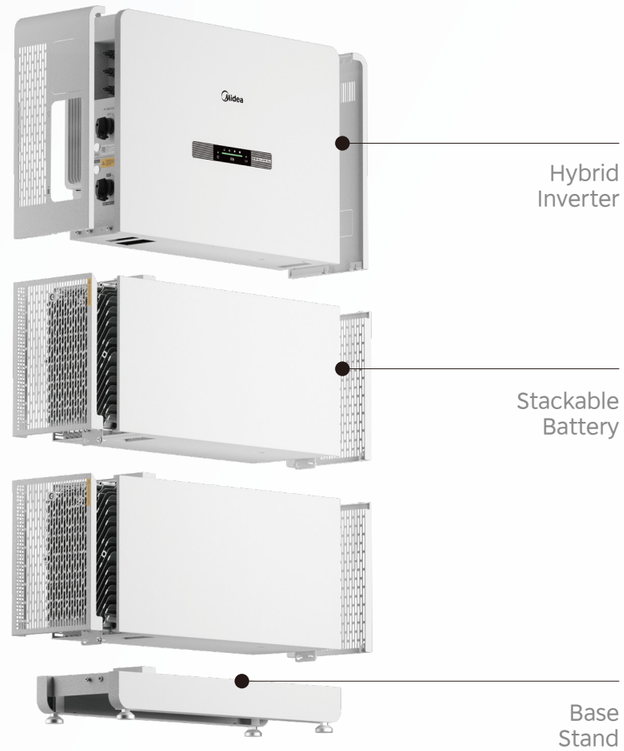
Mixed Pairing
Unites new and existing modules into one system



Zero-Effort Installation

Wireless Modular Design
Simplifies installation with a plug-to-stack architecture

5-Minute Startup
Optimizes setup with pre-configured smart logic



Minimalist Design

Sleek Appliance-Style
Fits your home perfectly

Space-Efficient Engineering
Maximizes your living area



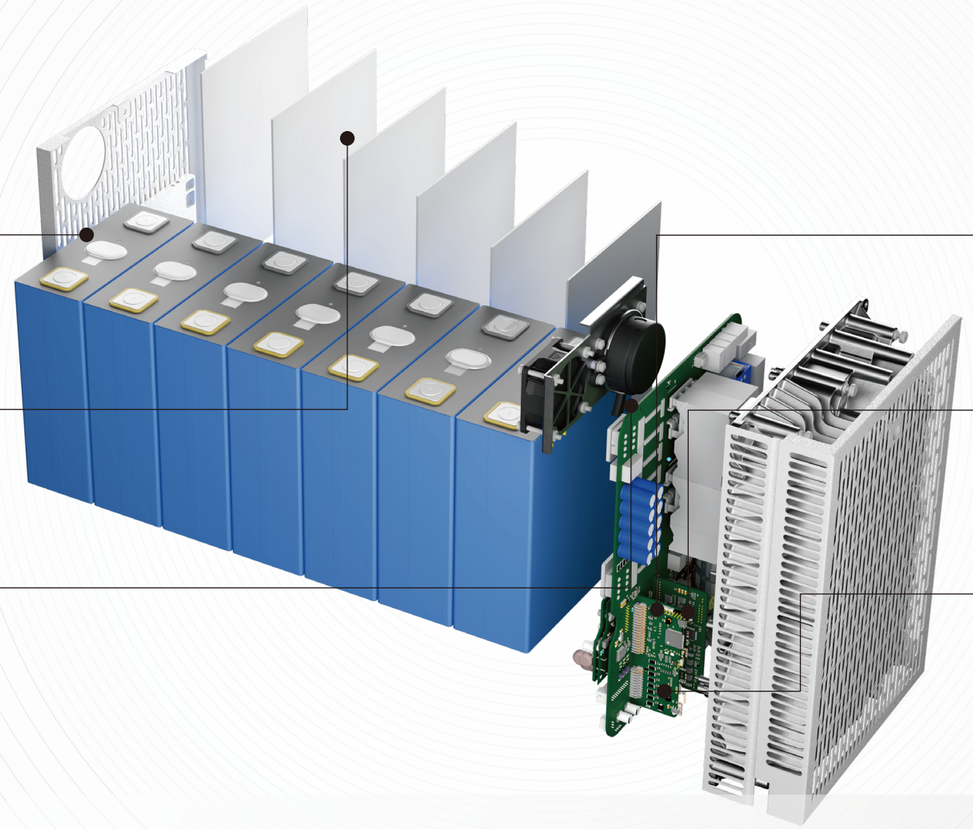
Stackable Battery

Multi-Level Safety Assurance

- LFP Cells
- Isolated Fire-Resistant Structure
- Integrated Aerosol Module

Advanced BMS

- 8-Point Temp Sensing
- 5mV Voltage Monitoring
- Dual-Channel Current Capture

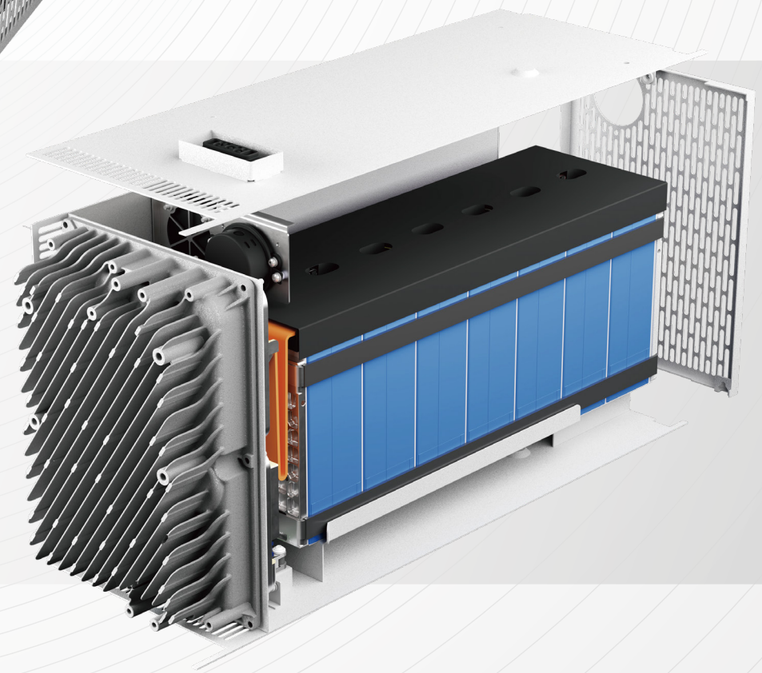


All-Weather Ultimate Performance

IP66 Protection
Enables flexible installation in any spaces.

Built-in Battery Heating
Powers through extreme cold down to -20°C.

Large-Surface Heatsink
Maintains stable operation even at 50°C.



App

Smart Energy Optimization

Maximize Savings:
Integrate with TOU and dynamic tariff to lower bills.

Link Heat Pumps:
Tailor operation profiles to unlock maximum home efficiency.

Harness AI:
Learn your energy habits and slash bills.

Real-Time Energy Visualization

Track Flows:
Monitor PV, battery, EV and heat pump status instantly.

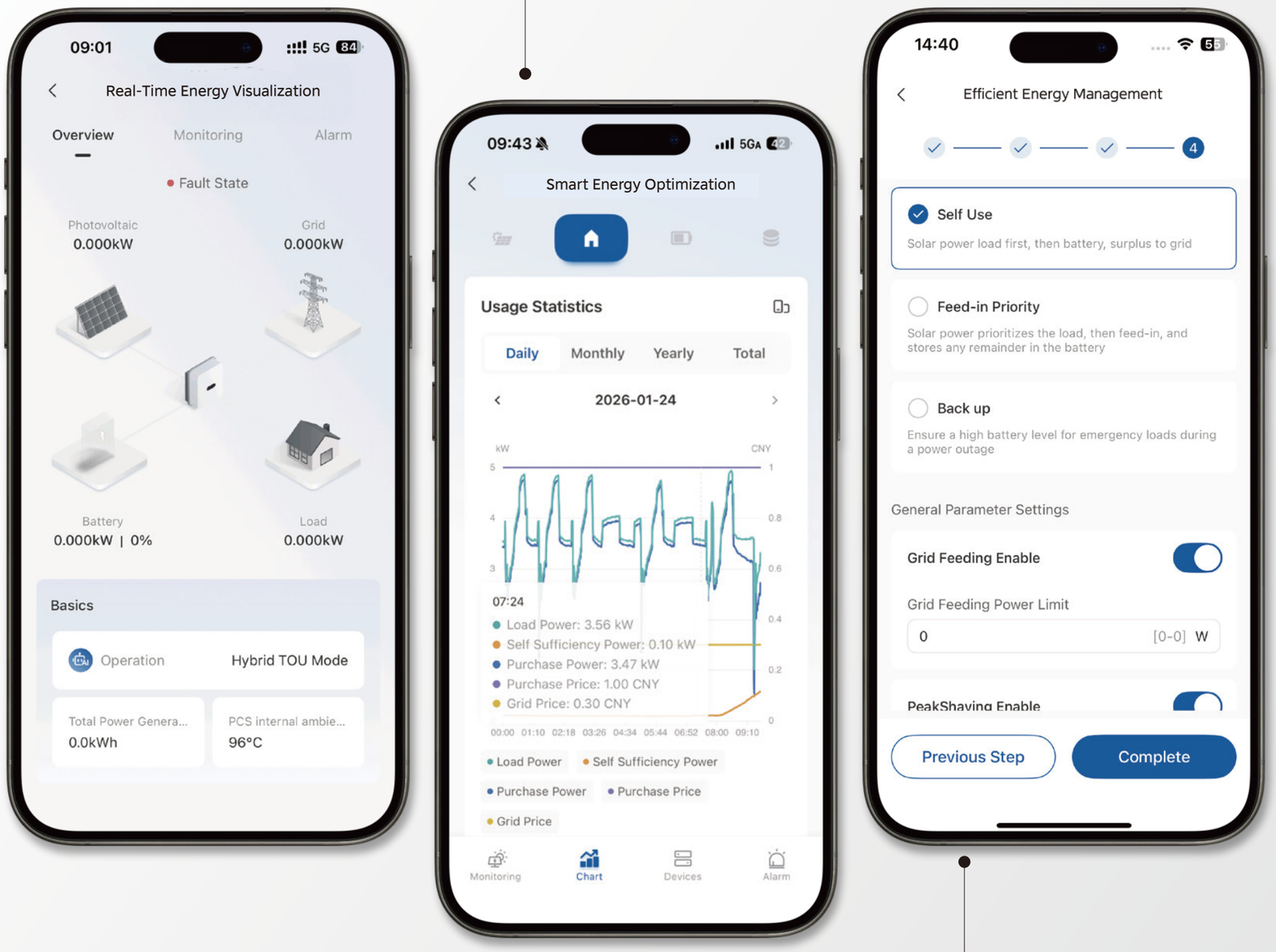
Visualize ROI:
Gain data-driven insights through intuitive charts.

Efficient Energy Management

Remote Control:
Manage assets and system from anywhere.

Seamless Sync:
Put your system on Apple Watch.

Quick Fix:
Receive alerts with filters for rapid troubleshooting.



POWERINFI SERIES ALL-IN-ONE RESIDENTIAL ENERGY STORAGE SOLUTIONS



Powerful

- 10ms Seamless Grid Transition
- 200% DC/AC Ratio
- 200% EPS Peak Output
- 100% Depth of Discharge

Flexible

- 20A PV Input & 3 MPPTs
- 6-Inverter Parallel Expansion
- Midea Heat Pump Integration
- 15-Min Installation & 10-Min OTA Upgrade

Smart

- Smart Fault Detection
- Dynamic Tariff Response
- VPP and TOU Ready
- Unbalanced 3-Phase Output

Reliable

- 8-Level Battery Protection
- Global Safety Standards Compliance
- Module-Level AFCI & IP66 Protection
- Insulation & Leakage Detection

Single-Phase Hybrid Inverter 5-12kW

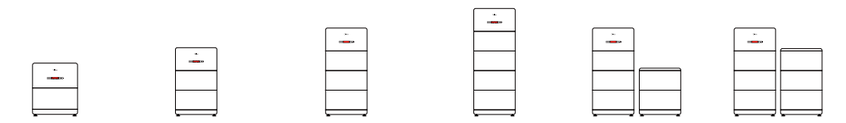
PCS Model	MEI2-HS5H -AIO1	MEI2-HS6H -AIO1	MEI2-HS8H -AIO1	MEI2-HS10H -AIO1	MEI2-HS12H -AIO1
DC Input (PV Side)					
Max. Input Power [W]	10000	12000	16000	20000	24000
Max. Input Voltage [V]	550			600	
Rated Input Voltage [V]	360			360	
MPPT Voltage Range [V]	80-500			80-550	
Startup Voltage [V]	100			100	
Max. Input Current per MPPT [A]	20/20		20/20/20	20/20/20/20	
Max. Short Circuit Current per MPPT [A]	25/25		25/25/25	25/25/25/25	
Number of MPPTs / PV Strings per MPPT	2 / 1+1		3 / 1+1+1	4/1+1+1+1	
Battery Connection					
Battery Voltage Range [V]			320-480		
Max. Charge / Discharge Current [A]*@330V	18.7/17.4	18.7/21.0	25/25	35/30.5	35/30.5
AC Output (Grid Port)					
Rated Output Power [W]	5000	6000	8000	10000/9990	12000
Max. Output Apparent Power [VA]	5000	6000	8000	10000/9990	12000
Max. Input Apparent Power from Grid [VA]	10000	11500	11500	14500	14500
Rated Grid Voltage [V] / Frequency [Hz]			220/230, 50/60		
Max. Output Current [A]	25	30	36.4	45.4	54.6
Max. Input Current from Grid [A]	45.5	50	50	63	63
Power Factor			~1 (Adjustable from 0.8 leading to 0.8 lagging)		
I.THD [%]			<3@Rated power		
AC Output (Backup Port)					
Rated Power [W]	5000	6000	8000	10000	12000
Max. Output Apparent Power [VA]	5500	6600	8000	11000	12000
Rated Grid Voltage [V] / Frequency [Hz]			220/230, 50/60		
Max. Output Current [A]	25	30	36.4	45.4	54.6
Max. Output Peak Power [W] / Duration [s]	10000, 10s	12000, 10s	12000, 10s	20000, 10s	24000, 10s
Switch Time to Backup Mode [ms]			<10		
Efficiency					
Max. Efficiency / Euro Efficiency [%]	97.4 / 96.9	97.4 / 96.9	97.6 / 97.2	97.5/97.1	97.5/97.1
Protection					
Safety Protection Feature	LVRT, HVRT, Anti-islanding protection, AC output overvoltage / undervoltage protection, AC short circuit protection, AC overcurrent protection, Leakage current protection, DC / AC surge protection, PV insulation resistance detection, PV reverse polarity protection, PV input overvoltage protection, Battery reverse polarity protection, Earthing fault protection, DC arcing detection and protection				
System Data					
Dimensions (W*H*D) [mm]	710*395*232			710*395*257	
Weight [kg]	27			33	
Topology	Non-Isolated				
Operating Temperature Range [℃]	-20~+60 (derating at +45)				
Relative Humidity	0 ~ 100%				
Max. Operation Altitude [m]	≤3000				
Ingress Protection	IP66				
Cooling Method	Natural Convection				
User Interface	LED, APP				
Standard & Certification					
Compliance	IEC 62109-1: 2010, IEC 62109-2: 2011, EN 62109-1: 2010, EN 62109-2: 2010, EN IEC 61000-6-1:2019, EN IEC 61000-6-2:2019, EN IEC 61000-6-3:2021, EN IEC 61000-6-4:2019, EN 62920:2017+A11+A1 IEC 62920:2017+A1, IEC 61683, EN50530, IEC60068, AS/NZS4777.2, AS60947.3, EN50549-1/-10, IEC61727, IEC62116				
Warranty					
Standard Warranty [Years]	10				

Three-Phase Hybrid Inverter 5-15kW

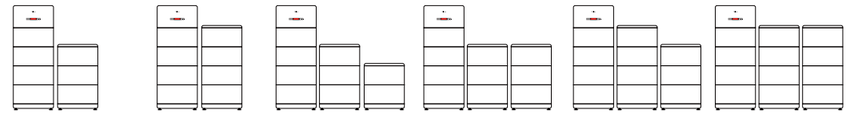
PCS Model	MEI2-HT5H -AIO1	MEI2-HT6H -AIO1	MEI2-HT8H -AIO1	MEI2-HT10H -AIO1	MEI2-HT12H -AIO1	MEI2-HT15H -AIO1
DC Input (PV Side)						
Max. Input Power [W]	10000	12000	16000	20000	24000	30000
Max. Input Voltage [V]	1000					
Rated Input Voltage [V]	650					
MPPT Voltage Range [V]	180-850					
Startup Voltage [V]	200					
Max. Input Current per MPPT [A]	20/20			20/20/20		
Max. Short Circuit Current per MPPT [A]	25/25			25/25/25		
Number of MPPTs / PV Strings per MPPT	2 / 1+1			2 / 1+1+1		
Battery Connection						
Battery Voltage Range [V]	320-495					
Max. Charge / Discharge Current [A]*@350V	25/16.5	25/19.8	25/25	37/32.9	37/37	46.8/46.8
AC Output (Grid Port)						
Rated Output Power [W]	5000	6000	8000	10000	12000	15000
Max. Output Apparent Power [VA]	5500	6600	8800	11000	13200	16500
Max. Input Apparent Power from Grid [VA]	10000	12000	16000	20000	24000	29600
Rated Grid Voltage [V] / Frequency [Hz]	380 / 400, 50 / 60					
Max. Output Current [A]	8.4	10	13.4	16.7	20	25
Max. Input Current from Grid [A]	15.2	18.2	24.3	30.4	36.5	43
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)					
I.THD [%]	<3@Rated power					
AC Output (Backup Port)						
Rated Power [W]	5000	6000	8000	10000	12000	15000
Max. Output Apparent Power [VA]	5500	6600	8800	11000	13200	16500
Rated Grid Voltage [V] / Frequency [Hz]	380 / 400, 50 / 60					
Max. Output Current [A]	8.4	10	13.4	16.7	20	25
Max. Output Peak Power [W] / Duration [s]	10000, 10s	12000, 10s	16000, 10s	20000, 10s	24000, 10s	24000, 10s
Switch Time to Backup Mode [ms]	<10					
Efficiency						
Max. Efficiency / Euro Efficiency [%]	97.5 / 95.5	97.5 / 95.9	97.5 / 96.5	97.5 / 96.8	97.5 / 96.9	97.5 / 97.2
Protection						
Safety Protection Feature	LVRT, HVRT, Anti-islanding protection, AC output overvoltage / undervoltage protection, AC short circuit protection, AC overcurrent protection, Leakage current protection, DC / AC surge protection, PV insulation resistance detection, PV reverse polarity protection, PV input overvoltage protection, Battery reverse polarity protection, Earthing fault protection, DC arcing detection and protection					
System Data						
Dimensions (W*H*D) [mm]	710*495*255					
Weight [kg]	36			40		
Topology	Non-Isolated					
Operating Temperature Range [℃]	-20~+60 (derating at +45)					
Relative Humidity	0 ~ 100%					
Max. Operation Altitude [m]	≤3000					
Ingress Protection	IP66					
Cooling Method	Natural Convection			Smart air cooling		
User Interface	LED, APP					
Standard & Certification						
Compliance	IIEC 62109-1: 2010, IEC 62109-2: 2011, EN 62109-1: 2010, EN 62109-2: 2010, IEC 61000-6-1/2/3/4, EN62920, IEC 61000-4-16/18/29, IEC 61683, EN50530, CEI 0-21, VDE4105, AS/NZS4777.2, AS60947.3, EN50549-1/-10, TOR TypeA, NC RFG Type A, C10/C11, G98+G99+G100, IEC61727, IEC62116, SFS-EN50549-1, TR3.3.1, EIFS 2018:2, IEC63056, ETSI EN303645					
Warranty						
Standard Warranty [Years]	10					

Battery 7kWh

PowerInfi BAT	7.0
Rated / Useable Capacity [kWh]	7.03/6.86
Max. Charge / Discharge Power [kW]	3.5@continuous 4.9@15minutes
Dimensions (W*H*T) [mm]	710×435×250
Weight [kg]	81
Max. Continuous Charge/ Discharge Current [A] (@30℃)	9.2
Rated Voltage / Voltage Range [V]	410 / 350~560 720 / 620~950
Room Temperature Cycle Life (25℃±2℃)	8000 Cycles 0.5C/0.5C @70%SOH
Operating Ambient Temperature [℃]	-20~50
Operating Ambient Humidity	0~100% RH
Cooling	Natural Convection
Altitude [m]	≤3000
Ingress Protection Rate	IP66
Mounting	Wall-Mounted / Floor-Mounted



Number of Battery Modules [pcs]	1	2	3	4	5	6
Rated / Useable Capacity [kWh]	7.03/6.86	14.06/13.72	21.09/20.58	28.12/27.44	35.15/34.3	42.18/41.16



Number of Battery Modules [pcs]	7	8	9	10	11	12
Rated / Useable Capacity [kWh]	49.21/48.02	56.24/54.89	63.27 / 61.74	70.3 / 68.6	77.33 / 75.46	84.36 / 82.32

Notes: Our all-in-one system supports flexible battery capacity expansion, ranging from 7kWh to 84kWh depending on the model. Some capacity configurations are not listed above due to space constraints.

GATEWAY SERIES



- **Automatic switching between Bypass mode and Grid mode**
- **Independent RS485 communication**
- **Support multiple units in parallel**
- **IP65 Protection Rating**

Gateway

Model	MEI-EBU-63S-AU	MEI-EBU-100S-AU	MEI-EBU-63T-AU	MEI-EBU-63T30-AU
Grid (Inverter)				
Rated Voltage [V], Frequency [Hz]	220/230/240, 50/60	220/230/240, 50/60	380/400, 50/60	380/400, 50/60
Max. On-grid Current [A]	52.2	52.2 / 52.2	25	50
Max. Apparent Power [kVA]	12	24	16.5	33
Backup (Inverter)				
Rated Voltage [V], Frequency [Hz]	220/230/240, 50/60	220/230/240, 50/60	380/400, 50/60	380/400, 50/60
Max. Off-grid Current [A]	52.2	52.2/52.2	25	50
Max. Apparent Power [kVA]	12	24	16.5	33
Grid				
Rated Voltage [V], Frequency [Hz]	220/230/240, 50/60	220/230/240, 50/60	380/400, 50/60	380/400, 50/60
Max. Current [A]	63	100	63	63
Backup Load				
Rated Voltage [V], Frequency [Hz]	220/230/240, 50/60	220/230/240, 50/60	380/400, 50/60	380/400, 50/60
Max. Current [A]	63	100	63	63
Non-Backup Load				
Rated Voltage [V], Frequency [Hz]	220/230/240, 50/60	220/230/240, 50/60	380/400, 50/60	380/400, 50/60
Max. Current [A]	63			
General Data				
Max. Parallel	1	2	1	1
Dimensions (W*H*D) [mm]	560*480*172	560*480*172	560*480*172	560*480*172
Weight [kg]	≤18	≤25	≤25	≤25
Storage Temperature Range [℃]	-40 ~ 70			
Operating Temperature Range [℃]	-30 ~ 60			
Relative Humidity Range	0-100%			
Max. Operation Altitude [m]	3000			
Cooling	Nature			
Ingress Protection Rating	IP65			
Communication	CT (Standard) / METER (Optional)			
Installation Method	Wall-Mounted			