

Environment Limit

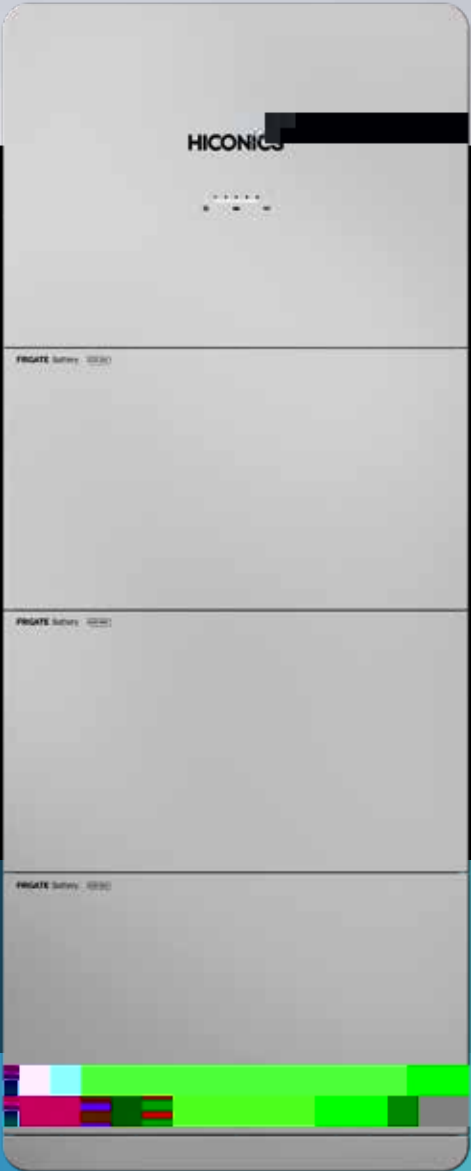
Three Phase Inverter	MH-HYIV5.0-THE	MH-HYIV6.0-THE	MH-HYIV8.0-THE	MH-HYIV10.0-THE	MH-HYIV10.0-THE-BE	MH-HYIV12.0-THE	MH-HYIV15.0-THE
Ingress protection	IP66						
Protection class	Class I						
Pollution degree	PD3						
Over voltage category	(MAINS), II (DC)						
Operating temperature [°C]	-20~+60(derating at +45)						
Max. operating altitude [m]	<3000						
Humidity	0-100%, No Condensing						
Storage temperature [°C]	-40~+70						
Typical noise [dBA]	<30		<50				
Communication with BMS	CAN						
Communication with Meter	RS485						
Self-heating power [W]	<25						
User Interface	LED,APP (LCD Optional)						
Warranty [Years]	10						

Mechanical Parameter

Dimension (W*H*D) [mm]	700*520*240		
Weight [KG]	36.0		
Cooling Concept	Natural Convection	Smart air cooling	
Topology	Non-isolated		
Communication interfaces	Meter/CT,CAN,RS485,WIFI(External)		
HMI	APP		
PV connector	MC4 (4~6mm2)		
AC connector	Quick Plug		
Battery connector	Quick Plug		
Certification	IEC/EN 62109-1&2, IEC 62477-1, IEC 61000-6-1/2/3/4,IEC62920,IEC 61000-4-16/18/29, IEC 60529,IEC 60068, IEC 61683,EN50530, CEI 0-21,VDE4105, ISO 13849, IEC62443		

Battery Pack	5KWh Battery Pack	10KWh Battery Pack	15KWh Battery Pack	20KWh Battery Pack
Component	Base+1 Module	Base+2 Module	Base+3 Module	Base+4 Module
Net Available Energy [kWh]	5.12	10.24	15.36	20.48
Available Energy Capacity [kWh]	4.76	9.52	14.28	19.05
Net Available Capacity [Ah]	100			
Net Voltage [V]	230			
Net Charge Current [A]	20			
Net Discharge Current [A]	20			
Communication	CAN			
User Interface	LED			
Ingress Protection	NEMA 4X			
Cooling Concept	Natural Convection			
Operating Temperature	-20°C ~ 55°C (For Both Charging & Discharging)			
Storage Temperature	-20°C ~ 55°C			
Humidity	5% ~ 95%			
Altitude	2000			
Cycle Life	6000			
Warranty [Years]	10			
Dimensions [mm]	710×430×170	710×800×170	710×1170×170	710×1540×170
Weight [kg]	54	104	154	204

Battery Pack	20KWh Battery Pack - Parallel	25KWh Battery Pack - Parallel	30KWh Battery Pack - Parallel	35KWh Battery Pack - Parallel	40KWh Battery Pack - Parallel
Component	2*Base+4*Modules	2*Base+5*Modules	2*Base+6*Modules	2*Base+7*Modules	2*Base+8*Modules
Net Available Energy [kWh]	20.48	25.6	30.72	35.84	40.96
Available Energy Capacity [kWh]	19.05	23.81	28.57	33.32	38.08
Net Available Capacity [Ah]	100				
Net Voltage [V]	230				
Net Charge Current [A]	20				
Net Discharge Current [A]	20				
Communication	CAN				
User Interface	LED				
Ingress Protection	NEMA 4X				
Cooling Concept	Natural Convection				
Operating Temperature	-20°C ~ 55°C (For Both Charging & Discharging)				
Storage Temperature	-20°C ~ 55°C				
Humidity	5% ~ 95%				
Altitude	2000				
Cycle Life	6000				
Warranty [Years]	10				
Dimensions [mm]	710× (850+800) ×170	710× (850+1170) ×170	710× (1220+1170) ×170	710× (1590+1170) ×170	710× (1960+1170) ×170
Weight [kg]	104+104	104+154	154+154	204+154	254+154



HIENERGY SERIES G2 THREE PHASE RESS

Three-phase Solution

2023 TOTAL REVENUE
(USD)

51.68_B

2023 NET PROFIT
(USD)

4.66_B

NUMBER OF EMPLOYEES

190_{K+}

BY S&P/MOODY'S/FITCH
CREDIT RATINGS

A/A3/A

FORTUNE GLOBAL 500
2024

277

FORBES GLOBAL 2000
2023

199

BRAND FINANCE 2023 TOP
500 MOST VALUABLE
BRANDS

198

BRAND FINANCE 2023 TOP
100 MOST VALUABLE
TECH BRANDS

36

Midea | HICONICS

LEADING ODM PROVIDER
OF GREEN ENERGY PRODUCTS

ODM VALUE CHAIN
A REPEATABLE PATH FOR EXCELLENCE IN QUALITY DELIVERY

GLOBAL R&D STRATEGY

4_{Research Institutes}

33_{R&D Centers}

25%_{Masters & PhDs}

50+_{Core Laboratory}

Aesthetics & Design Center

BILLION LEVEL SUPPLY CHAIN

27.6_B
Procurement Volume

100_{K+}_{Supplier System}

100%_{Quality Sampling}

Top 5_{Supplier Resources}

INTELLIGENT MANUFACTURING

50+
Years Manufacturing Experience

40<sub>Global Manufacture
Centers</sub>

Inhouse Production Lines

100_K_{GMP Cleanroom}

Lighthouse / Digital Factory

QUALITY CONTROL

130_M
Dollars Investment

1_{st}_{in Industry to Conduct:}

CSA<sub>Cooperative
Sightings Lab</sub>

UL/CE_{Certificates}

HIENERGY SERIES G2 THREE PHASE RESS

PRODUCT PARAMETER

SUPERIOR PERFORMANCE

- DC Input Current Up to 20A
- Up to 200% PV Input Power
- Up to 25A EPS Output Current
- Shadow Scan For Optimal Production

FLEXIBLE APPLICATION

- Smart Swap Battery
- AC Couple, 6-Period TOU & Peak Shaving Functionality
- String Monitoring & IV Curve Diagnosis
- Installation < 15 min & Commissioning < 5 min

INTEGRATED CONTROL

- <10ms On-Grid to Off-Grid Transition
- Up to 6 PCS Parallel Operation
- VPP Ready for Various Application
- Smart Midea Heat Pump Control

TRUSTED RELIABILITY

- ISO 13849 Function Safety & IEC 62443 Cyber Security
- 8 Level Cell Safety Protection
- IP66 Design for Outdoor Application
- AFCI Integrated for Higher Safety