Midea | HICONICS

ENERGY LINKS ALL

	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
Environment Limit	Ingress protection	IP66						
	Protection class	Class Ⅰ						
	Pollution degree	PD3						
	Over voltage category	(MAINS), Ⅱ(DC)						
	O ati t atu a [℃]	-20~+60(derating at +45)						
	Max. ati altitud [ ]	<3000						
	Humidty	0-100%, No Condensing						
	St a t atu [℃]	-40~+70						
	Ty i al i i i [dBA]	<30				<50		
	Communication with BMS	CAN						
	Communication with Meter	RS485						
	S lf- u ti at i ht [W]	<25						
	User Interface	LED,APP（LCD Optional）						
	Wa a ty[Y a]	10						
Mechanical Parameter	Dimension（W*H*D）[ ]	700*520*240						
	W i ht[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						
	Battey 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
N i al Batt y Pa k E y[KWh]	5.12	10.24	15.36	20.48
Availabl Batt y Pa k E y[KWh]	4.76	9.52	14.28	19.05
N i al Batt y C ll Ca a ity[Ah]	100			
N i al V lta [V]	230			
N i al Cha i Cu t[A]	20			
N i al Di ha i Cu t[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			
Wa a ty[Y a]	10			
Di i [ ]	710×430×170	710×800×170	710×1170×170	710×1540×170
W i ht[K]	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
N i al Batt y Pa k E y[KWh]	20.48	25.6	30.72	35.84	40.96
Availabl Batt y Pa k E y[KWh]	19.05	23.81	28.57	33.32	38.08
N i al Batt y C ll Ca a ity[Ah]	100				
N i al V lta [V]	230				
N i al Cha i Cu t[A]	20				
N i al Di ha i Cu t[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				
Wa a ty[Y a]	10				
Di i [ ]	710×（850+800）×170	710×（850+1170）×170	710×（1220+1170）×170	710×（1590+1170）×170	710×（1960+1170）×170
W i ht[K]	104+104	104+154	154+154	204+154	254+154



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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

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ODM VALUE CHAIN
A REPEATABLE PATH FOR EXCELLENCE IN QUALITY DELIVERY

GLOBAL R&D STRATERGY

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

100K+ Supplier System

100% Quality Sampling

Top 5 Supplier Resources

INTELLIGENT MANUFACTURING

50+ Years Manufacturing Experience

40 Global Manufacture Centers

Inhouse Production Lines

100K GMP Cleanroom

Lighthouse / Digital Factory

QUALITY CONTROL

130 M Dollars Investment

1st in Industry to Conduct:

CSA Cooperative Sightings Lab

UL/CE Certificates

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