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 |



idea

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

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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