



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



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
Central Academy
Industrial Technology Research Institute
Industrial Technology Research Institute
AI Research Institute

33 R&D Centers

50+ Core Laboratory

25% Masters & PhDs

Aesthetics & Design Center

BILLION LEVEL SUPPLY CHAIN

27.6 B
Procurement Volume

100 K+ Supplier System

Top 5 Supplier Resources

100% Quality Sampling

INTELLIGENT MANUFACTURING

50+
Years Manufacturing Experience

40 Global Manufacture Centers

100 K GMP Cleanroom

Inhouse Production Lines
Beijing & Anqing Manufacturing Center

Lighthouse / Digital Factory

QUALITY CONTROL

130 M
Dollars Investment

1st in Industry to Conduct:

Mechanical back-to-back test
Simulation test
Motor Load Test

CSA Cooperative Sightings Lab

UL/CE Certificates



SOLID MODULE

SOLID MODULE



HIGH POWER

- N Type HOT 3.0 Technology
- Up to 440W Output Power
- Anti-Corrosion
- Anti-PID

EASY INSTALLATION

- Adjustable Angle 30° ~ 42°
- Anodized 6005-T5 Aluminum Alloy
- Install on Your Own
- Plug & Play

ADVANCE CONTROL

- Up to 880VA
- IP67
- 2 MPPT in One
- Wi-Fi Mesh

INTEGRATED SYSTEM

- Fast Commissioning
- Simplified Online Monitoring
- One-Stop Shopping for Whole System
- System Warranty > 10 Years

TECHNICAL DATA

Microinverter Model		MH-MCIV0.8-SN
Max Output Power [W]		800
MPPT Voltage Range [Vdc]		32-45
Number of MPPT		2
Max Number of PV String per MPPT		1
Max DC Input Current [A]		14/14
Max Short Circuit Current [A]		25/25
Nominal Output Power [W]		800
Max Output Current [A]		3.5
Nominal Output Current [A]		3.5
AC Fault Short Circuit Current [A]		20
Output Overcurrent Protection Current [A]		10
Rated Grid Voltage		~230V, L/N/PE
Grid Voltage Range [Vdc]		187-253
Nominal Grid Frequency [Hz]		50/60
Max MPPT Efficiency [%]		99.8
Enclosure Environmental Rating		IP67
Anti-Islanding Protection		Yes
AC Overvoltage/Undervoltage Protection		Yes
AC Overcurrent/Short Circuit Protection		Yes
Surge Protection		Yes
PV Reverse Polarity Protection		Yes
PV Insulation Resistance Detection		Yes
Operating Temperature [C°]		-40 ~ +65
Storage Temperature [C°]		-40 ~ +70
Max Operation Altitude [m]		2000
Relative Humidity		0% ~ 100%
Cooling Method		Natural Convection
PV Connector		MC4
Communication		Wi-Fi
Dimension (W*H*D) [mm]		246*235.5*40.5
Weight [Kg]		3.6
Warranty		12 Years
Safety, EMC & Grid Compliances		IEC 62109-1/-2; IEC 62109-3; EN 61000-1/-2/-3/-4; CE-RED; EN 50549-1/-10; VDE-AR-N 4105; 2016/631 EU (NC RfG); PSE 2018-12-18;
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Module Model		54HL4R-B
Nominal Module Output [W]		440
Cell Type		N-Type Mono-Crystalline
Number of Cell		108
Module Dimensions [L*W*H]		1762 × 1134 × 30 mm
Module Weight [Kg]		21
Frame		Anodized Aluminum Alloy
Operating Temperature [C°]		-40 ~ +70
Power Tolerance		0 ~ ±3%
Warranty		25 Years
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Mounting Bracket		Included
AC Cable Length [m]		1*5
AC Cable Cordial Area [mm2]		1
PV Cable Extension Length [m]		2*1
PVCable Cordial Area [mm2]		4

Microinverter

Module

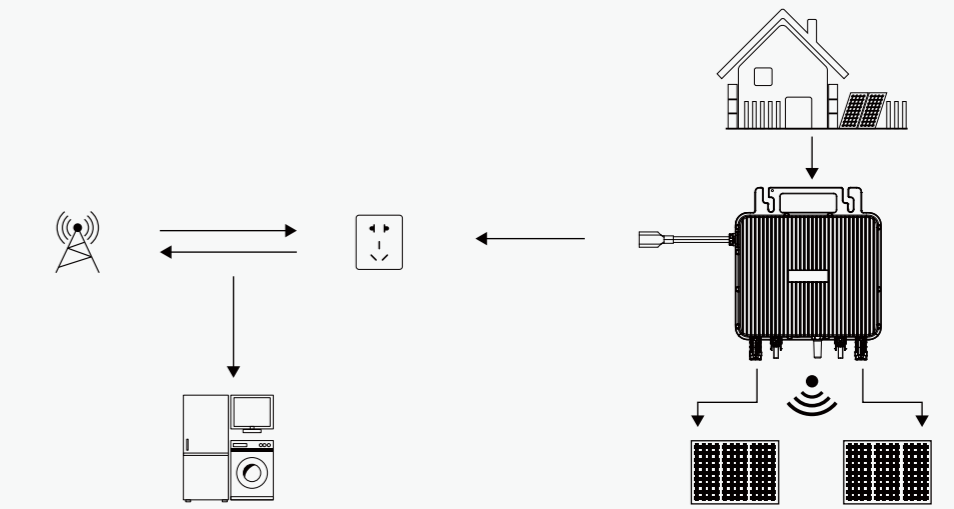
Efficiency

STANDARD CONFIGURATION

PACKING LIST

1 microinverter	1 M4x8 ground screw	1*5m-long AC cable (cordial area 1mm ²)	1 user manual	2 crystalline silicon PV modules
2 sets of PV brackets (refer to 4.3.1 for details)	2*1m PV extension cables (4mm ²)	1 PV/AC unlocking tool	2 open-end wrenches(10&13mm)	Nylon tie

SYSTEM DIAGRAM



ONLINE MONITORING

Midea Hiconics simplified online monitoring system allows customers to track daily system operation on their phones.

