



High-powered microinverter for 4-in-1 with output power up to 2200 VA



4-in-1 & Plug-and-play design enables faster installation for rooftop and balcony solar systems



Built-in Wi-Fi & Bluetooth module ensures wireless security and reliability



Works with the ESTAR-Home app to customize your smart home solar system



With Reactive Power Control, compliant with EN 50549-1:2019, NF EN 50549-1/-10, etc.



Enhanced safety by using rapid shutdown compliance and an isolated transformer

MICROINVERTER

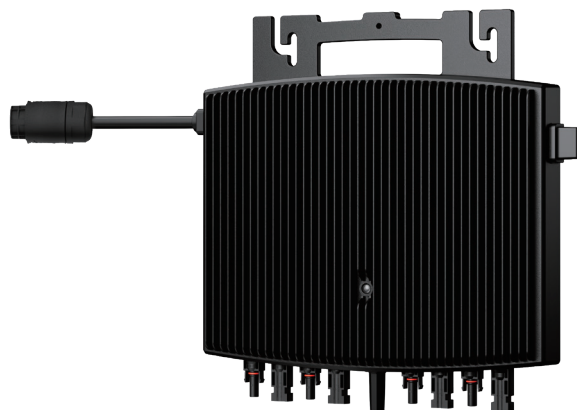
WiFi & Bluetooth Integrated

HERF-1600NW

HERF-1800NW

HERF-2000NW

HERF-2200NW



	HERF-1600NW	HERF-1800NW	HERF-2000NW	HERF-2200NW
Input Data (DC)				
Recommended module power (W)	320-500+	360-560+	400-620+	440-690+
MPPT voltage range(V)	16-48			
Start-up voltage (V)	22			
Maximum input voltage(V)	60			
Maximum input current(A)	4*14	4*15	4*15	4*16
Maximum input short circuit current(A)	4*25			
No. of MPPTs	4			
No. of Inputs per MPPT	1			
Output Data (AC)				
Rated output power (VA)	1600	1800	2000	2200
Rated output current (A)	6.96	7.83	8.70	9.57
Nominal output voltage/range (V)*	230/180-270			
Nominal frequency/range (V)*	50/45-55			
Power factor(adjustable)	0.8 leading...0.8 lagging			
Total harmonic distortion	<3%			
Efficiency				
Peak efficiency	96.50%	96.50%	96.30%	96.00%
Nominal MPPT efficiency	99.80%			
Night power consumption (mW)	<50			
Mechanical Data				
Ambient temperature range (C)	-40~+65			
Storage temperature range (C)	-40~+85			
Dimensions (W×H×D mm)	331*307*43			
Weight (kg)	6.365			
Enclosure rating	IP67			
Cooling	Natural convection			
Features				
Communication	Build in WIFI&Bluetooth			
Monitoring	Estar Monitoring Platform			
Topology	Galvanically Isolated HF Transformers			
Interface	LED & APP(ESTAR Home)			
Compliance	EN 50549-1: 2019, VDE-R-N 4105: 2018,NF EN 50549-1/-10			

* Nominal voltage/frequency range can be changed due to the requirements of local power department.



- Designed for balcony and DIY solar systems
- Multi-module connection & independent MPPT design
- Suitable for PV modules with high input current.
- VDE relay integrated.
- Standard 12-year warranty, optional 25-year warranty.

Application Scenarios

