

Microinverter

Single unit

HERF-300 / HERF-400 / HERF-500



High CEC Efficiency 96.5%



Easy installation, Plug click connection



External strong communication with DCU



Compliant with European/US/Asia/Aus
grid standard and certification

	HERF-300	HERF-400	HERF-500
Input Data (DC)			
Recommended module power (W)	240-420+	300-540+	370-670+
Peak power MPPT voltage range (V)	16-48	16-48	16-48
Start-up voltage (V)		22	
Operating voltage range (V)		16-60	
Maximum input voltage (V)		60	
Maximum input current (A)	13	13.5	14.5
No. of MPPTs		1	
No. of Inputs per MPPT		1	
Output Data (AC)			
Rated output power (VA)	300	400	490
Rated output current (A)	1.3	1.74	2.13
Nominal output voltage/range (V)		230/180-270	
Nominal frequency/range (Hz)		50/45-55	
Power factor(adjustable)		0.8 leading..0.8 lagging	
Total harmonic distortion		<3%	
Maximum units per branch	19	14	11
Efficiency			
CEC peak efficiency		96.50%	
Nominal MPPT efficiency		99.50%	
Night power consumption (mW)		<50	
Mechanical Data			
Ambient temperature range (°C)		-40~+65	
Dimensions (W×H×D mm)		165×197×31.1	
Weight (kg)		2.35	
Enclosure rating		IP67	
Cooling		Natural convection	
Features			
Communication		Wireless_2.4G	
Isolation Type		High Frequency Transformers (Galvanically Isolated)	
Monitoring		Monitoring System	
Compliance		EN 50549-1: 2019, VDE-R-N 4105: 2018	

1. Products marked with asterisks () use 10AWG cables, others use 12AWG cables.

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

*3. Refer to local requirements for exact number of microinverters per branch.