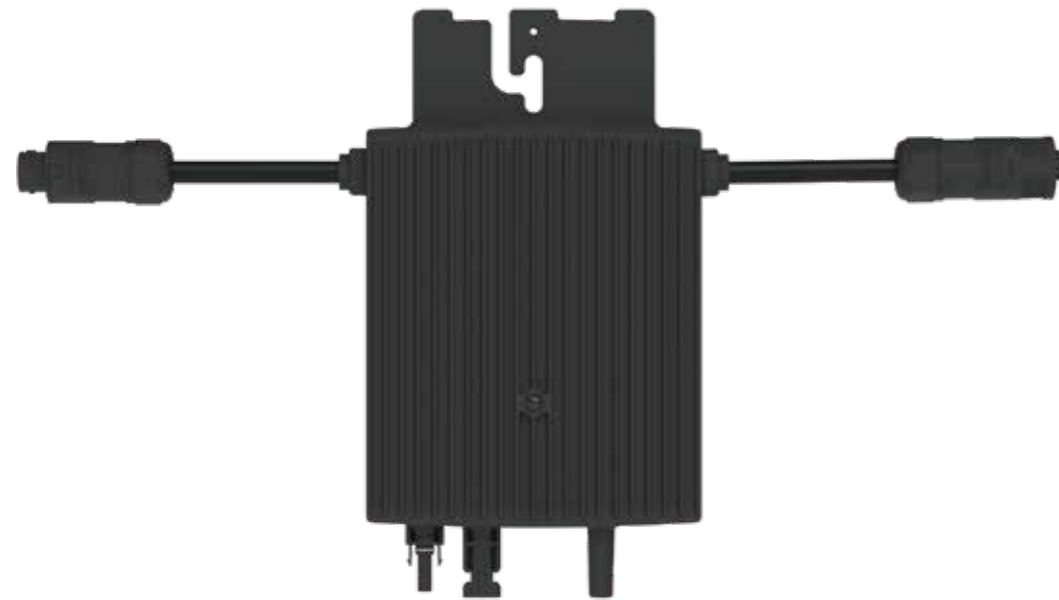


# Microinverter

## 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
<b>Input Data (DC)</b>			
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	
<b>Output Data (AC)</b>			
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 (V)		50/45-55	
Power factor(adjustable)		0.8 leading...0.8 lagging	
Total harmonic distortion		<3%	
Maximum units per branch	19	14	11
<b>Efficiency</b>			
CEC peak efficiency		96.50%	
Nominal MPPT efficiency		99.50%	
Night power consumption (mW)		<50	
<b>Mechanical Data</b>			
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	
<b>Features</b>			
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.