

Hybrid Inverter

American Split Phase



HERF-5K-LS / HERF-6K-LS / HERF-8K-LS

HERF-10K-LS

	HERF-5K-LS	HERF-6K-LS	HERF-8K-LS	HERF-10K-LS
Input (PV)				
Max. power (kW)	7.5	9	12	13
Max. DC voltage (V)	500			
MPPT voltage range (V)	120-500			
Max. Input Current of single MPPT (A)	12			
MPPT Tracker/Strings	4/1			
AC Output				
Rated output power (kVA)	5	6	8	10
Max. Output Current (A)	24	28.8	38.3	47.8
Ac output voltage (V)	120/240 (split phase), 208(2/3 phase), 230(single phase)			
Frequency (Hz)	50/60			
PF	0.8 lagging- 0.8 leading			
THDi	<3%			
AC output topology	Split phase, 2/3 phase, single phase			
Battery				
Battery voltage range (V)	40-58			
Max. charging voltage (V)	58			
Max. Charge/Discharge Current (A)	120/120	135/135	190/190	210/210
Battery type	Lithium/Lead-acid			
Communication interface	CAN/RS485			
EPS output				
Rated power (kVA)	5	6	8	10
Rated output voltage (V)	120/240 (split phase), 208(2/3 phase), 230 (single phase)			
Rated output current (A)	24	28.8	38.3	47.8
Rated frequency (Hz)	50/60			
Automatic switching time (ms)	<20			
THDu	<2%			
Overload capacity	125%, 60s / 150%, 10s			
General data				
Max. efficiency	≥98.2%			
North American efficiency	≥97.2%			
Ingress protection	IP 65 / NEMA 3R			
Noise emission (dB)	<25	<29	<29	<29
Operation temperature	-25°C- 60°C			
Cooling	Natural			
Relative Humidity	0- 95% (non-condensing)			
Altitude	2,000m (>2,000 Derating)			
Dimensions W* D* H (mm)	430*220*710			
Weight (kg)	41			
Isolation transformer	NO			
Self-consumption (W)	<3			
Display and communication				
Display	LCD, touch screen			
Interface: RS485/Wifi/4G/CAN/DRM	Yes			
Safety standard	UL1741SA all options, UL 1699B, CSA 22.2			
EMC	FCC Part 15, Class B			
On-grid	IEEE 1547, IEEE 2030.5, Hawaii Rule 14H, Rule 21 Phase I.II.III.NRS			



IP65
Choose the place you want to install



Support 100% unbalanced load capacity



Higher system efficiency



Support parallel SOC balanced control and parallel current sharing control

| Global Applications

🌐 Europe



Residential Project in Sweden 12kW



Residential Project in Germany 10kW



Residential Project in Estonia 8kW



Residential Project in Poland 10kW



Residential Project in Germany 10kW

🌐 America



Residential Project in the United State 10kW



Residential Station Project in Utah 8kW



Residential Project in the United State 6kW