

# Hybrid Inverter

## Single Phase



**HERF-3K-L1 / HERF-3.6K-L1 / HERF-4K-L1**  
**HERF-4.6K-L1 / HERF-5K-L1 / HERF-6K-L1**

	HERF-3K-L1	HERF-3.6K-L1	HERF-4K-L1	HERF-4.6K-L1	HERF-5K-L1	HERF-6K-L1
<b>DC Input</b>						
Max. Input power (kW)	4.6	4.6	6	6	7	7
Start-up Voltage (V)	120					
Max. PV Voltage (V)	550					
MPPT Range/Nominal (V)	125-500/360					
Max. Input Current (A)	14/14					
MPPT Tracker/Strings	2/1					
<b>AC Output</b>						
Rated Power (kW)	3	3.6	4	4.6	5	6
Max. Output Current (A)	13	16	17.4	20	21.7	26
Nominal Voltage/Range (A)	230/176-270					
Frequency (Hz)	50/60					
Power factor	1( 0.8 lagging- 0.8 leading )					
THDi	<3%					
AC output topology	L+N+PE					
<b>Battery</b>						
Battery voltage range (V)	40-58					
Max. charging voltage (V)	58					
Charge/Discharge Current (A)	95/62.2	95/75	95/83.3	95/95.8	95/104.2	95/110
Communication Interface	CAN					
<b>EPS output</b>						
Rated power (kW)	3	3.6	4	4.6	5	6
Rated voltage (V)	230					
Rated current (A)	13	16	17.4	20	21.7	26
Rated frequency (Hz)	50/60					
Automatic switching time (ms)	<20					
THDu	<2%					
Overload capacity	110%, 60s / 120%, 30S / 150%, 10S					
<b>General data</b>						
Battery charge/discharge efficiency	95%					
DC Max. efficiency	97.6%					
Europe efficiency	97%					
MPPT efficiency	99.9%					
Ingress protection	IP65					
Noise emission (dB)	<35					
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)	451*212*474					
Weight (kg)	18					
Inverter Topology	transformerless					
Self-consumption (W)	<3					
<b>Display and communication</b>						
Display	/					
Interface: RS485/Wifi/4G/CAN/DRM	Yes / Opt / Opt / Yes / Yes					



**IP65**  
Choose the place you want to install



**Full power discharge**



**Support multi-machine parallel connection**



**Intelligent energy management system for home**

# | 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