

Energy Storage Products

01 HF Series

3.6kW / 5kW
Single Phase, 1 MPPT
Off-grid Inverter



FEATURES



Compatible with lithium & lead-acid batteries (48V)



Support up to 6 units parallel connections



Work with or without batteries



MPPT charge controller and AC charger integrated



Double rating of surge power suitable for motor loads



UPS-level switching

Model	01-HF-3.6		01-HF-5.0	
Battery				
Nominal Battery Voltage [V]			48	
Battery Voltage Range [V]			40 ~ 60	
Battery Type			Lithium / Lead-acid	
Solar Charger				
Max. PV Input Power [Wp]	4500			6000
Max. PV Input Voltage [V]			450	
Max. PV Input Current [A]			18	
MPPT Range [V]			120 ~ 430	
MPP Trackers / String per Tracker			1 / 1	
Max Charging Current [A]	80			100
Max. Efficiency	93%			93%
AC Charger				
Nominal AC Input Voltage [V]			220 / 230 / 240	
Max. AC Charge Current [A]	60			80
AC Voltage Range [V]			180 ~ 275	
Frequency Range [Hz]			50 / 60; ±5	
Inverter Output				
Rated Output Power [W / VA]	3600 / 3600			5000 / 5000
Parallel Capacity	NA			Up to 6
Nominal Output Voltage [V]			220 / 230 / 240	
Nominal Output Frequency [Hz]			50 / 60	
Surge Power [W]	7200			10000
Max. Efficiency			93%	
THDi			< 5%	
Automatic Switch Time			10ms (For Personal Computers); 20ms (For Home Appliances)	
General Parameters				
Protection Degree			IP20	
Size (Width * Height * Depth) [mm]			330 * 485 * 135	
Weight [kg]	11.5			12
Ambient Temperature Range [°C]			0 ~ +50	
Storage Temperature Range [°C]			-15 ~ +60	
Communication			Wifi or 4G (optional)	