

Single Phase Hybrid Inverter

Technical Data	Hyper-5000
PV Input Data	
Max. DC Input Power (Wp)	5400
Max. DC Input Voltage (V)	550
MPPT Voltage Range (V)	125-500V
Start-up Voltage (V)	80
No. of MPP Trackers	2
No. of Strings per MPP Tackers	1/1
Max. Input Current (A)	14/14
Max. Short Circuit Current (A)	10/10
AC Input/Output Data	
Nominal AC Power (W)	5000
Max. Apparent Power (VA)	5500
Nominal AC Voltage (V)	220/230/240
Nominal AC Voltage Range (V)	186-264
Nominal AC Current (A)	21,7
Nominal Grid Frequency (Hz)	50/60
Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)
THD of AC Voltage	<3% with Resistive Load
Peak Power	1.1 x Pnom, 10 sec; 1.5 x Pnom,100ms
Battery Input/Output Data	
Battery Type	Lithium-ion(LV)
Battery Voltage Range (V)	40~60V
Max.Charge/Discharge Current (A)	100A
Communication with BMS	CAN/RS485
Efficiency	
MPPT Efficiency(%)	99,9
Max. Efficiency(%)	97,8
Euro Efficiency(%)	96,5
Battery Charged By PV Max. Efficiency(%)	95
Protection	
PV String Input Reverse Polarity Protection	Integrated
DC Surge Protection	Type II
AC Surge Protection	Type II
Output Over Current Protection	Integrated

Output Shorted Protection	Integrated
Output Over Voltage Protection	Integrated
Anti-islanding Protection	Integrated
Insulation Resistor Detection	Integrated
Residual Current Monitoring Unit	Integrated
Ground Fault Monitoring	Integrated
DC&AC Breaker, AC Bypass Switch	Integrated
DC Switch	Integrated
General Data	
Column1	Column2
Demensions(WxHxD) (mm)	415*675*145
Weight (kg)	35
Mounting Information	Wall-mounted
Protection Degree	IP65
Cooling	Natural Cooling
Operating Temperature Range (°C)	-20°C to +60°C(up 45°C derating)
Operation Altitude	<2000
Typical Noise Emission(dB)	<30
Relative Humidity	0~100%,no condensation
Night Self Consumption (W)	<1
Display	LCD & LED
Communication	RS485 for Wi-Fi/RS485 for Meter/CAN for BMS/DRM
Topology	Transformerless
Max.Parallel Connection (pcs)	2
Certifications and Standards	
Safety	IEC62109-1&2, IEC62040-1
EMC	IEC 61000-3-2,IEC 61000-3-12
Grid Regulation	NRS097-2-1,IEC61727+62116
Standard Warranty(years)	5

Remarks:

The range of output voltage and frequency may vary depending upon different grid codes.
Specifications are subject to change without advance notice