

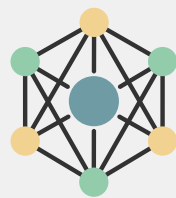
HyperMini

Hybrid Inverter



Cost Effective

Low-profile and economic design for cost-considered solar power solution



Multiple Connectivity*

Equipped with RS485, RS232, and Wi-Fi (App) for various needs



LCD Interactive

User-friendly button and LCD display for flexible solar inverter operability



2 Year Warranty

Supplied full manufacturer warranty and optional extensions are provided

The HyperMini Inverter is a low profile solar inverter with dual AC and DC input power sources.*

- Pure sine wave AC output voltage
- Wider solar input voltage range
- Solar charging with MPPT technology
- Hybrid function generator adaptation*
- UPS function with 10 ms transition*
- Compact size in low-profile application
- Complete power protection feature

*Only available on HyperMini+ series

PV Power
280 - 840 W

PV Voltage
15 - 100 V

AC Input Current*
7 - 20 A

AC Output Power
200 - 1000 VA

Efficiency
Up to 85%

Model	HyperMini A-1/2 200 W	HyperMini B-1/2 400 W	HyperMini C-1/2 600 W	HyperMini C-1/2(+) 700 W	HyperMini D-1/2(+) 1000 W
General					
Dimension (W x H x D)	220 x 320 x 85 mm (8.7 x 12.6 x 3.4 in)			165 x 340 x 285 mm (6.5 x 13.4 x 11.3 in)	
Net Weight	1.5 kg (3.3 lb)	2.6 kg (5.8 lb)	3.9 kg (8.6 lb)	9.5 kg (21.0 lb)	10.5 kg (23.2 lb)
Operating Temperature	-10 – 40 °C (14 – 104 °F)				
Storage Temperature	-15 – 60 °C (5 – 140 °F)				
Humidity	5% to 95% Relative Humidity (Non-condensing)				
Surge Capacity	1.5 x rated power for 1 seconds				
Standby Power	<6 W	<12 W	<18 W	<21 W	<30 W
Transfer Time	There is no UPS Function			10 ms typical (UPS)	
Protection	AC Input Over Current, PV Over Current, Overload, Output Over Current Short Circuit, Battery Over Voltage, Battery Under Voltage, Over Temperature				
Certification	CE, EN62368-1				
Warranty	2 Year Warranty and optional extensions are provided				
AC Output					
Nominal Output Power	200 Watt	400 Watt	600 Watt	700 Watt	1000 Watt
Max Output Current	0.9 A	1.8 A	2.7 A	3.2 A	4.5 A
Output Voltage Waveform	Pure Sine Wave				
Output Voltage Regulation	220 VAC ± 2%				
Peak Efficiency	≥85%				
Overload Capacity	No Overloaded			20 ms @≥300% load	
Output Frequency	50 Hz or 60 Hz (Selectable)				
Power Factor at Rated Power	1.0				
Power Factor	0.9 Leading and 0.9 Lagging				
THDI	<5%				
THDV	5% for linear load				
AC Connection	Single Phase				
AC Input (*can be customized for C+/D+ Series)					
Nominal Input Voltage	No AC Input		220 VAC (170 – 275 VDC)		
Nominal Input Frequency	No AC Input		50 Hz or 60 Hz (Selectable)		
Max. Battery Charging Current	No AC Input		14 A / 7 A	20 A / 10 A	
PV Input (*can be customized for C+/D+ Series)					
Max. PV Array Power	280 W		420 W (C1+ and D1+) / 840 W (C2+ and D2+)		
Nominal PV Voltage	30 VDC		40 VDC (C1+ and D1+) / 70 VDC (C2+ and D2+)		
PV Array Voltage Range	15 – 45 VDC (12 VDC System) / 30 – 45 VDC (24 VDC System)		15 – 80 (C1+ and D1+) / 30 – 100 (C2+ and D2+)		
Max. PV Open Circuit Voltage	50 VDC		120 VDC		
Max. PV Input Current	20 A		30 A		
Battery					
Nominal DC Input Voltage	12/24 VDC	12/24 VDC	12/24 VDC	12/24 VDC	12/24 VDC
Cold Start Voltage	11/23 VDC	11/23 VDC	11/23 VDC	11/23 VDC	11/23 VDC
Battery Type	Valve Regulated Lead Acid (VRLA)				
Features					
PV Connection	Screw Terminal				
Battery Connection	Screw Terminal				
AC Connection	AC Power Socket				
Display	LCD				
Interfaces	RS485, RS232 opt, and Wi-Fi opt				

