



PULSE 3PHASE INVERTERS 8kW, 10kW and 12kW

Bi-Directional (Hybrid) Inverter
For All-in-One Residential Energy Storage System

INVERTER SPECIFICATIONS	PS-PULSE-INV-8.0KW	PS-PULSE-INV-10.0KW	PS-PULSE-INV-12.0KW
ELECTRICAL			
Max. PV Input Power	16kW	20kW	24kW
Max. PV Input Voltage	1100V (200V Start Voltage)		
MPPT Range	140V - 1000V		
Rated Input Voltage	720V		
MPPT Range for Full Load	380V - 850V	420V - 850V	480V - 850V
Number of MPPT	2		
Max. PV Input Current	15A * 2		
AC OUTPUT (ON-GRID)			
Rated AC Output Power	400 Volts		
Output Voltage Range	380 ~ 415 Volts		
Output Frequency Range	50/60Hz (Fluctuation range±0.2%)		
Rated Input Current	23A	29A	35A
Max. Current From Grid	26A	32A	38A
Max. AC Apparent Power	8.8kVA	11kVA	13.2kVA
Max. Power Output to Grid	8kW	10kW	12kW
Max. Current Output to Grid	12.8A	16A	19.2A
Power Factor	0,8 Leading - 0,8 Lagging		
THDi	<3%		
Power Grid Disconnection	Internal bipolar miniature circuit breaker		
AC OUTPUT (BACK-UP)			
Max. Output Power	8kVA	10kVA	10kVA
Max. Output Current	11.6A	14.5A	14.5A
Automatic Switch Time	<20ms		



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PROTECTION			
Anti-islanding Protection		Yes	
Output Over Current Protection		Yes	
DC Reverse Polarity Protection		Yes	
String Fault Detection		Yes	
AC/DC Surge Protection		DC Type II - AC Type III	
Insulation Detection		Yes	
AC Short Circuit Protection		Yes	
IP Protection		IP65	
EFFICIENCY			
Max. PV Efficiency		97.60%	
Euro. PV Efficiency		97.00%	
BATTERY INPUT			
Charging Voltage Range		44-58V	
Max. Charging Current		160A	
Max. Discharging Current	160A	200A	200A
GENERAL			
Weight		49 Kg	
Dimensions (W x H x D)		540 x 980 x 240 mm	
Operating Temperature Range		-25°C~+60°C	
Communication		RS485/CAN2.0/WIFI/4G	
Safety	IEC/EN62109-1&2;IEC/EN61000-6-1;IEC/EN61000-6-2;EN61000-6-3;IEC/EN61000-6-4;IEC/EN61000-3-11;EN61000-3-12;IEC60529;IEC60068;IEC61683;IEC62116;IEC61727;EN50549-1;AS4777.2;NRS097;VDE-AR-N-4105;CEI0-21;G98;G99;C10/C11		