



PULSE 1PHASE INVERTERS 6kW

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

INVERTER SPECIFICATIONS	PS-PULSE-INV-6.0KW
ELECTRICAL	
Max. PV Input Power	12kW
Max. PV Input Voltage	580V (150V Start Voltage)
MPPT Range	80V - 560V
Rated Input Voltage	400V
Number of MPPT	2
Max. PV Input Current	15A * 2
AC OUTPUT (ON-GRID)	
Rated AC Output Power	230 Volts
Output Voltage Range	150 ~ 280 Volts
Output Frequency Range	50/60Hz (Fluctuation range±0.2%)
Rated Input Current	31A
Max. Current From Grid	32A
Max. AC Apparent Power	7360VA
Max. Power Output to Grid	6000W
Max. Current Output to Grid	25A
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	5000VA
Max. Output Current	20A
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	100A
Max. Discharging Current	100A
GENERAL	
Weight	32 Kg
Dimensions (W x H x D)	540 x 590 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;IEC 61727;EN50549-1;AS4777.2;NRS097;VDE-AR-N-4105;CEI0-21;G98;G99;C10/C11