

BRAND	PWR247(1:1 Phase)		PERPETUAL POWER(1:1 Phase)		
Model	MF Series (1~10 kVA)		HX Series(3~10kVA)	PPX Series	
Models No.	MF1103L8	MF1106L16	HX-1106L16	PPX5K	PPX10K
Capacity (kVA)	3kVA	6 kVA	6kVA	5 kVA	10 kVA
Inputs	%				
Voltage Range	*Nominal Voltage 220V/230V/240V AC (1Ph+N+PE, 3 Wire) *Operating Voltage Range 85V~300V AC Load Dependent		160-275VAC (140-300VAC-Optional)	135 - 285 VAC{Nominal Voltage: 220VAC}	
Frequency Range (Hz)	50 / 60 Hz ± 10% (Auto Sensing)		50±5%	50 or 60Hz (range: 40 ~ 70)	
THD(i)	<3%(full load)				
Power Factor	>0.99		0.9	>0.99	
Output	%				
Frequency Range (Hz)	Auto Sensing 50 / 60 Hz ± 1~10% Sync Mode (Configurable), 50/60 Hz ± 0.1 Hz Battery Mode		50 or 60 ±0.5%(Battery mode)	50 or 60 Hz ± 0.05	
Power Factor	0.8 Std., 0.9 Optional		0.7(Standard)/(0.8,0.9-Optional)	0.9	
Voltage	220V / 230V / 240V AC / ±1%		220±1%	220/230/240 VAC {Voltage Regulation: ±1%(Static); ±2%(typical)}	
Waveform	Pure Sine wave				
Harmonic Distortion(THDv)	<2%(Linear Load), <5%(Non-Linear Load)		≤2%(linear load)		
Crest Factor	3:01		%		
Efficiency	94.0% Dual Conversion Mode, 99.0% ECO Mode		>90%	online mode:- 92%(full load), inverter moe:-96%(full load)	
Overload	≤ 125% for 10 min, >125-150% for 1 min, >150% for 200 ms		125% load for 60s, 150% load for 40ms	100 - 125% 60 minutes. 125% - 150% 60 seconds	
Isolation Transformer	Isolation Transformer Compatible		Adopted IGBT and Output Transformer for isolation	Built-in isolation transformer and Adoption of IGBT inverter	
Battery	%				
Battery Voltage	96V	192-240V Configurable	192V(16*12V)	96VDC to 192VDC	
Charging Current (Max)	6.5 A - Configurable			Built-in: max. 4Amp - 40Amp(adjustable)	
Environment	%				
Temperature	Operating: 0~45°C*, Storage: -10°C~55°C		0 ~ 45°C		
Humidity/ Altitude	0~95% RH Non-condensing / <1500 M		0 ~ 95%(non-condensing)		
Noise	Low Audible Noise Level			(at one meter) 55 dBA	
System Features	%				
Display	%				
LCD Indication	: Input Voltage/Frequency, Output Voltage/Frequency, Battery Voltage, Load Watt/VA and %, Inverter Temperature, Operation Mode such as "On Line","On Batt", Fault Codes, Battery & Load Bar graph ;		Input voltage, Output Voltage, Load Level, Battery Voltage etc.;	Input/output, Inverter, Frequency, Loading and Battery voltage	
LED Indication :	Normal Operation, Bypass, Adnormal, Fault and Battery Mode		Indicates running status	AC input/output. Bypass. Inverter. Fault. Overload. Load on AC/DC,	
Alarm	Batt. Low, DC High, Inverter Under/Over Voltage, UPS Over Load, Short Circuit, Fan Failure and UPS Fault.				
Protection				overload, short circuit, over temperature, battery under/over voltage, battery over charge	
Communication Interface					
Standard	RS-232		RS485	RS232	
Optional	SNMP / ModBus / Dry Contact / USB / RS-485 / IOT		RS232 data and relay connection, Supporting power manager software and SNMP adopter	(Management peripheral) SNMP Slot: SNMP card, Modbus card, Enviroprobe, SNMP hub, Mini SNMP card, USB card, TVSS card.	
Monitoring Software	NetAgent Utility v5.8 / UPSilon 2000				
Standards					
Quality	ISO 9000, ISO 14001, ISO 27001, ISO 45001, ISO 50001, BIS, RoHS			ISO 9000, ISO 14001, OHSAS 18001, BIS, RoHS	
Safety	IEC/EN62040-1			CE,TUV, EN62040-1-1	
EMC/ Performance	IEC/EN62040-2; IEC/EN62040-3, Complying to CE			CISPR 22 Class A	