



PowerX series

Single-phase All-in-one



Flexible Configuration

Wide Inverter Power Range,
3.6kW to 6kW, Flexible Selection
Battery Stacking Installation,
5kWh Modular, Free Combination
Modular Wiring Hidden Design,
Neat and Aesthetic with No Exposed
Wiring



Quick Installation

Stackable Installation, Top-to-Bottom
Stacking without Wiring
Blind Mating Connection, Installation
Time Reduced to 15 Minutes
Parameter Pre-Set, Plug and Play,
Avoid On-Site Configuration and
Calibration



Easy Installation and Maintenance

Intelligent BMS for Active Protection
Low-Temperature Charging and Discharging,
Charging at Low Temperatures (-10°C) and
Discharging (-20°C)
Smart WEB & APP, 24/7 Online Monitoring
OTA Remote Upgrade

SYSTEM PARAMETER

Item		PowerX 1 PLUS		
Hybrid inverter				
Grid port	Maximum grid-tied input/output power	3kW/3.6kW/4kW/4.6kW/5kW/6kW		
	Rated operating voltage	L+N+PE, 230Vac		
	Rated operating frequency	50Hz/60Hz		
Load port	Maximum off-grid output power	3kVA/3.6kVA/4kVA/4.6kVA/5kVA/6kVA		
	Rated output voltage	L+N+PE, 230Vac		
	Rated output frequency	50Hz/60Hz		
	On-grid and off-grid switching time	≤10ms		
PV port	Maximum PV input power	4.5kWp/6kWp/6kWp/8kWp/8kWp/9kWp		
	MPPT voltage range	80Vdc~550Vdc		
	Maximum input current per MPPT	18A/18A, 2 MPPT		
Battery				
Cell type		LiFePO4		
Number of modules		1	2	3
Nominal energy		5.12kWh	10.24kWh	15.36kWh
Nominal capacity		100Ah	200Ah	300Ah
Maximum charge/discharge power		3kW/3.6kW/4kW/4.6kW/5kW/6kW (Limited to inverters)		
DOD		95%		
Temperature		-25~60 °C(Charge: -10~50°C; Discharge: -20~50 °C)		
Humidity		5~95%RH, No condensation		
Cycle life		> 6000@25 °C@0.5C		
System				
Communication		RS485, CAN, WIFI		
Cooling method		Natural cooling		
Altitude		≤2000m		
Protection level		IP65		
Dimensions (W *D*H)		640*200*1160 mm	640*200*1560 mm	640*200*1960 mm
Weight		≈72kg	≈116kg	≈162kg
Safety regulation		IEC62109-1/-2, IEC62477-1, IEC61000-6-1/-2/-3/-4, IEC62619, CE		
Grid regulation		VDE-AR-N4105/G99/CEI0-21 /EN50549/CI 0-11 /NRS097-2-1 I AS 4777.2/R25/UNE217001 /UNE217002/NTS 2.1		