



# 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		
<b>Hybrid inverter</b>				
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		
<b>Battery</b>				
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			
<b>System</b>				
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			

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**Base**  
ESS:  
Yixing, China  
Cylindrical Cell:  
Yichun, China

**Far East Greater Bay Area  
Headquarters**  
located on 34F, Block C, Hongrongyuan  
Huanzhi Center, Longhua District, Shenzhen

**Sales Oce**  
EUR : Rotterdam, Netherland  
Frankfurt, Germany  
Milano, Italy

**Service Center  
& Warehouse**  
EUR : Rotterdam, Netherland  
Frankfurt, Germany  
Fermo, Italy

**Website**  
www.en.febattery.com

**Customer Service Center**  
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No. 1717 Nanjing West Road, Jing'an District,  
Shanghai

ASIA : Shenzhen & Shanghai, China