



PowerX series

Three-phase All-in-one



Integrated in One

No gap between modules, no wiring harness exposed, visual integrated machine
 Inverter side wire out, avoid junction box, hide wire harness
 Highly integrated software, transparent transmission upgrade



Fast installation

Stack installation, stack installation from bottom to top, no wiring required
 Blind plug connection, avoid manual wiring, the installation time is reduced to 15 minutes
 The inverter does not need to hang on the wall, no wall drilling installation



Safe and efficient

Intelligent BMS, active protection
 Low temperature charge and discharge, to meet the load demand under low temperature conditions, suitable for cold areas and seasons
 Smart WEB&APP, 7*24h online monitoring; OTA remote upgrade inverse

SYSTEM PARAMETER

Item		PowerX 3 Plus		
Hybrid inverter				
Grid port	Maximum grid-tied input/output power	4kW/5kW/6kW/8kW/10kW		
	Rated operating voltage	3L+N+PE, 400Vac		
	Rated operating frequency	50Hz/60Hz		
Load port	Maximum off-grid output power	4kVA/5kVA/6kVA/8kVA/10kVA		
	Rated output voltage	3L+N+PE, 400Vac		
	Rated output frequency	50Hz/60Hz		
	On-grid and off-grid switching time	≤10ms		
PV port	Maximum PV input power	8kWp/10kWp/12kWp/16kWp/20kWp		
	MPPT voltage range	140Vdc~950Vdc		
	Maximum input current per MPPT	16A/16A/16A, 3 MPPT		
Battery				
Cell type	LiFePO4			
Number of modules	2	3	4	
Nominal energy	9.6kWh	14.4kWh	19.2kWh	
Nominal capacity	50Ah			
Maximum charge/discharge power	4kW/5kW/6kW/8kW/10kW (Limited to inverters)			
DOD	95%			
Temperature	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)	700*206*1488mm	700*206*1893mm	700*206*2298mm	
Weight	≈157kg	≈210kg	≈263kg	
Safety regulation	IEC62109-1/-2, IEC62477-1, IEC61000-6-1/-2/-3/-4, IEC62619, CE			
Grid regulation	VDE-AR-N 4105: 2018, G98, G99, C10/11 : 2021, NTS 631, RD647: 2020 UNE 217002: 2020, VDE 0126-1-1, NRS 097-2-1, AS/NZS 4777.2: 2020, EN 50549-1			

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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

Customer Service Center
located at Wheelock International Plaza, No. 1717 Nanjing West Road, Jing'an District, Shanghai

Sales Office
EUR: Rotterdam, Netherland
Frankfurt, Germany
Milano, Italy

ASIA: Shenzhen & Shanghai, China

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