



PowerX series

Three-phase All-in-one



Easy
installation



Intelligent
O&M



Extreme
security



Flexible
scaling



Wide range of
application scenarios



Diesel
connection

SYSTEM PARAMETER

Item		PowerX 3 PLUS		
Hybrid inverter				
Maximum grid-tied input/output power	Grid port	4kW/5kW/6kW/8kW/10kW		
Rated operating voltage		3L+N+PE, 400Vac		
Rated operating frequency		50Hz/60Hz		
Maximum off-grid output power	Load port	4kVA/5kVA/6kVA/8kVA/10kVA		
Rated output frequency		50Hz/60Hz		
On-grid and off-grid switching time		≤10ms		
Maximum PV input power	PV port	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%			
Operating temperature	Charge: -10~50℃; Discharge: -20~50℃			
Humidity	5~95%RH, No condensation			
Cycle life	> 6000@25℃@0.5C			
System				
Communication	RS485, CAN, WIFI			
Cooling method	Natural heat dissipation			
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			