



PowerX series

Single-phase All-in-one



Easy
installation



Intelligent
O&M



Extreme
security



Flexible
scaling



Wide rang of
application scenarios

SYSTEM PARAMETER

Item		PowerX 1 PLUS		
Hybrid inverter				
Maximum grid-tied input/output power	Grid port	3kW/3.6kW/4kW/4.6kW/5kW/6kW		
Rated operating voltage		L+N+PE, 230Vac		
Rated operating frequency		50Hz/60Hz		
Maximum off-grid output power	Load port	3 kVA/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		
Maximum PV input power	PV port	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%		
Operating temperature		-25~60℃(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 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		