

# 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 ℃; 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) | | 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, CI0/11 : 2021, NTS 631, RD647: 2020 UNE 217002: 2020, VDE 0126-1-1, NRS 097-2-1, AS/NZS 4777.2: 2020, EN 50549-1 | | |