

# The better battery

## PowerX

### **The better modularity**

5.0 up to 15.0 kWh per battery system  
Up to 2 battery systems, 30 kWh capacity

### **The better security**

LFP chemistry in unibody design  
Peace of mind installation

### **The better installability**

Tool-free click-and-connect system  
Pre-assembled plug & play cable for inverter connection

### **The better flexibility**

Upgradable capacity during lifetime  
Operating voltage from 350 up to 980V

## Technical data and types

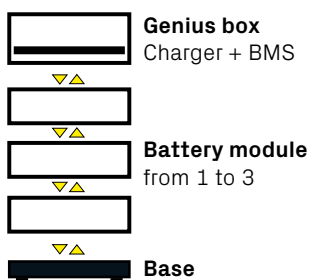
Battery system (Genius box + battery modules)	PowerX-5kWh	PowerX-10kWh	PowerX-15kWh
<b>Battery system composition:</b>			
- Bidirectional DC/DC Unit (Genius box)	PowerX-5kW	PowerX-5kW	PowerX-5kW
- Energy Storage Module (Battery module x q.ty)	PowerX-5kWh-BATT x 1	PowerX-5kWh-BATT x 2	PowerX-5kWh-BATT x 3
<b>General specifications</b>			
Cell chemistry	Lithium-iron phosphate (LiFePO4)		
Battery module	PowerX - 5kWh		
Battery module energy	5 kWh		
Number of battery modules	1	2	3
Battery usable energy <sup>1)</sup>	5 kWh	10 kWh	15 kWh
Max. output power	2.5 kW	5 kW	5 kW
Peak output power	3.5 kW, 10 s	7 kW, 10 s	7 kW, 10 s
DC Nominal voltage (single-phase system)	450 V		
DC Operating voltage range (single-phase system)	350 ... 560 V		
DC Nominal voltage (three-phase system)	600 V		
DC Operating voltage range (three-phase system)	600 ... 980 V		
<b>Communication</b>			
Display	LED indicator, SOC status indicator		
Communication <sup>2)</sup>	RS485/CAN		
<b>Environmental</b>			
Environmental protection rating	IP66		
Operative ambient temperature <sup>3)</sup>	-20 °C to +55 °C (-4 °F to +131 °F)		
Max. operating altitude <sup>4)</sup>	4,000 m (13,123 ft.) (Derating above 2,000 m)		
Environment <sup>5)</sup>	Outdoor (Please refer to the user manual for installation condition)		
Relative humidity	5%-95%		
Cooling	Natural convection		
Noise emission	< 29 dB		
<b>General Specification</b>			
Dimensions (W x D x H)	670 mm x 150 mm x 650 mm	670 mm x 150 mm x 1010 mm	670 mm x 150 mm x 1370 mm
Weight (Floor stand toolkit included)	63.8 kg (140.7lb)	113.8 kg (250.9lb)	163.8 kg (361.1lb)
Power module dimension (W x D x H)	670 mm x 150 mm x 240 mm		
Power module weight	12 kg		
Battery module dimensions (W x D x H)	670 mm x 150 mm x 360 mm		
Battery module weight <sup>6)</sup>	50 kg		
Installation	Floor stand (standard), Wall mounting (optional) <sup>7)</sup>		
Scalability	Max. 2 systems in parallel operation		
Compatible inverters	PowerUNO and PowerTRIO inverter families		
<b>Safety</b>			
Marking	CE , cTUVus		
Certificates	CEI 0-21, IEC 62109, IEC 62477, IEC/EN 61000, VDE AR-N-4105 AS NZS 4777, G98/99, RoHS		

- 1) Test conditions: 100% depth of discharge (DoD), 0.2C rate charge & discharge at 25°C, at the beginning of life. If no PV modules are installed or the system has not detected sunlight for at least 24 hours, the minimum end of discharge SOC is 15%
- 2) CAN is used only for parallel communication.
- 3) Refer to battery warranty letter for conditional application.
- 4) The output power may be affected by altitude. Please refer to the output derating curve for details.
- 5) Improper storage system installation may compromise product warranty and

- operation safety. Please follow the user manual during the installation, use, and maintenance of the storage system.
- 6) The weight of the battery modules varies with products, with a tolerance of ±3%.
  - 7) Dedicated installation kit required, to be purchased upon request.

### Remarks:

- Features not specifically listed in the present data sheet are not included in the product



# 12 kg

power module weight

# 5 kW

charger power

## Easy and safe

transportation and installation

# +40 %

time saving for commissioning



module Tool-free click-and-connect

# LiFePO4

Lithium iron phosphate

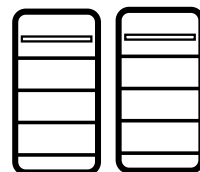
PowerX  
5.0 kWh



PowerX  
15 kWh



30 kWh system with 2 PowerX



## The better configurations



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