

# WALL

## XPB-W11 AND XPB-W35



**With 11 or 35 kW Inverter,  
on-Board Transformer and  
Switch Function**

Storage: 20 or 40 kWh

#### **PARALLEL PLATFORM TECHNOLOGY**

The ability of the power box to be combined with different energy sources and to sum up their combined power outputs.

#### **UNIQUE BI-DIRECTIONAL HYBRID INVERTER**

In-house designed interface technology allowing the Power Box to charge and discharge using only one inverter .

#### **UNIQUE ACTIVE BATTERY MANAGEMENT SYSTEM (ABMS)**

Monitoring and controls to actively ensure maximum battery life span and optimum efficiency are achieved .

#### **PLUG & PLAY**

Easy installation and with the possibility to combine the Power Box with grid supply, renewable energy sources and a generator.

#### **BACKUP POWER**

Blackout? With the Power Box you will continue to be supplied and the solar system will work as well.

#### **HEALTH STATUS MONITORING**

Ensuring that the complete system is functioning efficiency at all times.

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XPB-W		W11	W35
General Data	Electrical cabinet with frame (WxDxH)	1 m x 0,54 m x 2 m	1 m x 0,54 m x 2,30 m
	Battery Pack with frame (WxDxH)	0,75 m x 0,35 m x 2 m	
	Positioning	≥ 0,3 m on all sides and between components Ensuring front doors can be opened for authorized maintenance	
	Base Weight	378 kg (Power Electronics) + 280 kg (per Battery Pack)	612 kg (Power Electronics) + 280 kg (per Battery Pack)
	Lifting Points	Yes	
	Protection	IP 68 (Battery Pack)	
Use	Installation	Indoor	
	Mounting	Wall-mounted	
	Ambient Temperature	0 °C to +35 °C	
	Max. Humidity	90 %, not condensing	
	Max. Altitude	4000 m (with a derating above 2000 m)	
Power Electronics	Inverter Power	11 kVA (11 kW @ cos phi = 1)	35 kVA (35 kW @ cos phi = 1)
	Transformer	On-Board / 400 V, 3P+N+PE	
	Switch Function	On-Board	
Storage	Battery Type	Lithium Iron Phosphate (LiFePO <sub>4</sub> )	
	Cell Safety	Over-Current, Over-Temperature, Over-Pressure, Over-Voltage Protection, internally fused (irreversible)	
	Net. Capacity	20 kWh (standard) expandable to 40 kWh	40 kWh (standard)
	Battery Voltage	Nominal 650 V DC, Range: 585 to 744 V DC	
	Management	aBMS (active Battery Management System)	
XPB Output Configuration	AC Input	400 V 3P+N+PE, 63 A per phase	
	AC Output	400 V 3P+N+PE, 63 A pro Phase	
	Types of Network	TN / TN-C / TN-S	
	Grid Frequency	EU: 50 Hz (45-55 Hz)	
	AC Connection	Hard wired / screwed	
Safety	Cell Operating Range	-20 to +60°C discharge +5 to +55°C charge	
	Protection Measures	Integrated thermal management (passive cooling), integrated voltage protection, integrated cell internal resistance monitoring, integrated over current protection (aBMS ≥ 75 A, Fuse 100 A)	
	Battery Pack	Thermally triggered extinguishing system (N <sub>2</sub> / CO <sub>2</sub> ) in every Battery Pack	
Options		60 Hz (55-65 Hz) Version	
Standards		EN 61439-1, EN 61439-2, EN 61439-3, EN 61439-4, OVE E 8101, IEC 60364	

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