

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 efficiently at all times.

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XPB-W		W11	W35
General Data	Dimensions (WxDxH)	Power Electrics with Frame: 1 m x 0,54 mm x 2 m, Battery Pack with Frame: 0,75 m x 0,35 m x 2 m Edge Distance (above, left, right), spacing: min. 0,3 m	
	Base Weight	280 kg (Power Electronics) + 280 kg (per Battery Pack)	360 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 kW	35 kW
	Transformer	On-Board / 400 V, 3P+N+PE	
	Switch Function	On-Board	
Storage	Battery Type	Lithium Iron Phosphate (LiFePO ₄)	
	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)	
	XPB Connection Interface	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 ₂ / CO ₂) 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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