

BASIC

XPB-B35 AND XPB-B80



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.

HEALTH STATUS MONITORING

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

**Standard with 35 or 80 kW Inverter
and Storage up to 140 kWh**

**XPB-B80-80 and XPB-B80-100 can
be equipped with Transformer and
Switch Function as an Option**

Text and illustrations correspond to the technical state at the time of printing. Subject to change.

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	XPB-B	B-35	B-80	
Unit Details	Dimensions (LxWxH)	2350 mm x 1050 mm x 2470 mm		
	Base Weight	1000-2420 kg (depending on battery capacity)	1710-2550 kg (depending on battery capacity)	
	Lifting Points	Forklift points and annular nuts for lifting with a crane		
	Protection	IP 68 (Battery Pack)		
Use	Application	Indoor		
	Mounting	Rack-Mounted / easily transportable		
	Max. Altitude	5000 m (with a derating above 3000 m)		
Power Electronics	Inverter Power	35 kW	80 kW	
	Transformer	not included, but optional for XPB-B80-80 and XPB-B80-100		
	Switch Function	not included, but optional for XPB-B80-80 and XPB-B80-100		
Storage	Battery Type	Lithium Iron Phosphate (LiFePO ₄)		
	Cell Cup Class	32650 Screwed		
	Net Capacity	40 kWh (Standard) expandable to 140 kWh (in 20 kWh modules)	80 kWh (Standard) expandable to 140 kWh (in 20 kWh modules)	
	Nominal Battery Voltage	650 V DC		
	Management	aBMS (active Battery Management System)		
	Multitracking	XPB units connected up to 2,4 MWh using only 1x inverter		
Connection	AC-input	hard wired, only suited for on-Grid application		
	AC-Output	hard wired, only suited for on-Grid application		
	Types of Network	IT / TN / TN-C / TN-S		
	Grid Frequency	EU: 50 Hz (45-55 Hz)		
	XPB Connection Interface	hard wired		
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)		
	Fire Protection	Thermally triggered extinguishing system (N ₂ / CO ₂) in every Battery Pack		
Options	60 Hz Version			
	Country specific Transformers (for XPB-B80-80 and XPB-B80-100)			

DISCOVER NEW ENERGY

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