

BASIC SPLIT

XPB-11

XPB-B35

XPB-B80



XPB-B11-40-SPLIT

11 kW Inverter Power
40-240 kWh Storage

XPB-B35-60-SPLIT

35 kW Inverter Power
60-240 kWh Storage

XPB-B80-100-SPLIT

80 kW Inverter Power
100-240 kWh Storage

**Optional Backup Power
with TS Versions**

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.

BASIC SPLIT

	XPB-B	B-11		B-35		B-80	
Unit Details	Dimensions (LxWxH)	Power Cabinet: 1000 mm x 500 mm x 2000 mm , Battery-Rack: 1580 mm x 960 mm x 2200 mm, DC Combiner Boxes: 400 mm x 200 mm x 400 mm					
	Base Weight	Power Cabinet: 390 kg, DC Combiner Box: 40 kg, Battery-Module incl. Rack: 349-1915 kg		Power Cabinet: 620 kg, DC Combiner Box: 40 kg, Battery-Module incl. Rack: 349-1915 kg		Power Cabinet: 830 kg, DC Combiner Box: 40 kg, Battery-Module incl. Rack: 349-1915 kg	
	Lifting Points	Power Cabinet: Forklift points and annular nuts for lifting * vertical load only Battery-Rack: Forklift					
Use	Installation	Indoor					
	Mounting	Rack-Mounted / max. 15 m distance between Power Cabinet and DC Combiner Boxes possible					
	Ambient Temperature	Ideal: 10 °C to + 25 °C (min. 5 °C, max. 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)		80 kVA (80 kW @ cos phi = 1)	
	Backup Power	With Switch Function and Transformer as Option – 400V/230V, 3P+N+PE					
Storage	Battery Type	Lithium Iron Phosphate (LiFePO ₄)					
	Cell Safety	Over-Current, Over-Temperature, Over-Pressure, Over-Voltage Protection, internally fused (irreversible)					
	Net Capacity	40 kWh (Standard) expandable to 240 kWh (in 20 kWh modules)		60 kWh (Standard) expandable to 240 kWh (in 20 kWh modules)		100 kWh (Standard) expandable to 240 kWh (in 20 kWh modules)	
	Battery Voltage	Nominal 650 V DC, Range: 585 to 744 V DC					
	Management	aBMS (active Battery Management System)					
Connection	AC connection	B11	B11TS	B35	B35TS	B80	B80TS
		63 A max.	Input: 63 A max. Output: 63 A max.	63 A max.	Input: 125 A max. Output: 185 A max.	125 A max.	Input: 125 A max. Output: 200 A max.
		400V 3P+N+PE					
	Types of Network	TN / TN-C / TN-S					
	Grid Frequency	EU: 50 Hz (45-55 Hz)					
XPB Connection Interface	hard wired / screwed						
Safety	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 (55-65 Hz) Version Country specific Transformers 5m / 7,5m / 10m / 15m cables between DC Combiner Boxes and Power Cabinet						
Standards	EN 61439-1, EN 61439-2, EN 61439-3, EN 61439-4, IEC 60364, TOR Erzeuger:2019-12, OVE R25:2020-03						
Applications	Renewable Energy Self-Consumption Optimization, Peak Shaving, Backup Power, Load Shifting, Grid Feed Shifting, Interface to external EMS						

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