

PRO

XPB-P11 AND XPB-P35



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

Storage up to 120 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.

PRO

	XPB-P	P-11	P-35	
Unit Details	Dimensions (LxWxH)	2400 x 1200 x 2400 mm	2400 x 1200 x 2400 mm	
	Base Weight	1545 - 3045 kg (depending on battery capacity)	2045 - 3245 kg (depending on battery capacity)	
	Lifting Points	Forklift points and annular nuts for lifting with a crane		
	Protection	IP68 (Battery Pack)		
Use	Installation	Indoor & Outdoor, IP54		
	Mounting	Skid-Mounted / easily transportable		
	Ambient Temperature	0 °C to +35 °C, with Cold Climate Package -20 °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 ₄)		
	Cell Safety	Over-Current, Over-Temperature, Over-Pressure, Over-Voltage Protection, internally fused (irreversible)		
	Net. Capacity	20 kWh (Standard) expandable to 120 kWh (in 20 kWh modules)	40 kWh (Standard) expandable to 120 kWh (in 20 kWh modules)	
	Battery Voltage	Nominal 650 V DC, Range: 585 to 744 V DC		
	Management	aBMS (active Battery Management System)		
	Heating	Heating Controller and Wiring Standard (ready for Mats)		
Connection	AC Input	400 V 3P+N+PE, 63 A (up to 40 kVA diesel generator)	400 V 3P+N+PE, 125 A (up to 80 kVA diesel generator)	
	AC Output	400 V 3P+N+PE, 63 A	400 V 3P+N+PE, 175 A	
	Types of Network	TN / TN-C / TN-S		
	Grid Frequency	EU: 50 Hz (45-55 Hz)		
	AC-Connection *	Input: 63A CEE Output: 1 x 32A CEE / 1 x 16A CEE / 3 x 16 A1P	Input: 125A CEE Output: Powerlock / 1 x 125A CEE / 1 x 63A CEE / 1 x 32A CEE / 2 x 16A CEE / 3 x 16 A1P	
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 (55-65 Hz) Version, * Customized Selection of AC Outlets / Removal of AC Outlet Connection and Replacement with a Hard Wired System, country specific Transformers, as Trailer or Crawler Version (release date to be advised)			
Standards	EN 61439-1, EN 61439-2, EN 61439-3, EN 61439-4, OVE E 8101, IEC 60364			

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