



# UNLIMITED

## XPB-M10



### With on-board Transformer and Switch Function

#### **XPB-U35-100-M10**

35 kW Inverter and  
100 - 240 kWh Storage

#### **XPB-U80-100-M10**

80 kW Inverter and  
100 - 240 kWh Storage

#### **XPB-U150-140-M10**

150 kW Inverter and  
140 - 240 kWh Storage

#### **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-U	U35	U80	U150
Unit Details	Dimensions (LxWxH)	3.05 x 2.44 x 2.9 m 10 ft. High Cube Container			
	Base Weight	Depending on inverter / battery storage configuration			
	Lifting Points	Container transport			
	Protection	Sea Shipping Container, IP68 for Battery Packs			
Use	Installation	Indoor / Outdoor, IP54			
	Mounting	Container mounted			
	Ambient Temperature	-20 °C to +35 °C, with tropical option up to +45°C			
	Max. Humidity	90 % not condensing			
	Max. Altitude	4000 m (with a derating above 2000 m)			
Power Electronics	Inverter Power	35 kW	80 kW	150 kW	
	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	100 kWh (Standard) expandable to 240 kWh in 20 kWh modules		140 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)			
	Heating	Air Conditioning System for Heating & Cooling as Standard			
Connection	AC Input	400 V, 3P+N+PE, 200 A (for DG's up to 150 kVA)	400 V, 3P+N+PE, 400 A (for DG's up to 275 kVA)	400 V, 3P+N+PE, 730 A (for DG's up to 500 kVA)	
	AC Output	400 V, 3P+N+PE, 250 A	400 V, 3P+N+PE, 550 A	400 V, 3P+N+PE, 950 A	
	Types of Network	TN / TN-C / TN-S			
	Grid Frequency	EU: 50 Hz (45-55 Hz)			
	XPB Connection Interface	Input: Powerlock (Option: screwed) Output: Powerlock (Option: screwed) 4 x blind output boards	Input: screwed (Option: Powerlock) Output: screwed (Option: Powerlock) 4 x blind output boards	Input: screwed (Option: Powerlock) Output: screwed (Option: Powerlock) 4 x blind output boards	
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 <sub>2</sub> / CO <sub>2</sub> ) in every Battery-Pack. Integrated multi-sensor CO <sub>2</sub> fire extinguishing system in Storage and Power Electronics Area.			
Options	60 Hz (55-65 Hz) Version, Country-specific Transformers, variable output distribution board configuration				
Standards	EN 61439-1, EN 61439-2, EN 61439-3, EN 61439-4, OVE E 8101, EN 60204-1 / IEC 60364				

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