

# PRO

## XPB-P11 AND XPB-P35



reddot winner 2021

### 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.

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

Storage up to 120 kWh



PRO TRAILER Mobile Energy to Go

Text and illustrations correspond to the technical state at the time of printing.  
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	XPB-P	P-11	P-35	
Unit Details	Dimensions (LxWxH)	2400 x 1200 x 1959-2400 mm		
	Base Weight	1000-2700 kg (depending on battery capacity)	1400-2800 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 & Outdoor		
	Mounting	Skid-Mounted / easily transportable		
	Max. Altitude	5000 m (with a derating above 3000 m)		
Power Electronics	Inverter Power	11 kW	35 kW	
	Transformer	On-Board as Standard / 400 V, 3P+N+PE		
	Switch Function	On-Board as Standard		
Storage	Battery Type	Lithium Iron Phosphate (LiFePO <sub>4</sub> )		
	Cell Cup Class	32650 Screwed		
	Net. Capacity	20 kWh (Standard) expandable to 120 kWh (in 20 kWh modules)	40 kWh (Standard) expandable to 120 kWh (in 20 kWh modules)	
	Nominal Battery Voltage	650 V DC		
	Management	aBMS (active Battery Management System)		
	Heating	Heating Controller and Wiring Standard (ready for Mats)		
Connection	AC-input	63 A CEE (up to 40 kVA diesel generator)	250 A max. (up to 175 kVA diesel generator)	
	AC-Output	63 A max. per phase	300 A max. per phase	
	Types of Network	IT / TN / TN-C / TN-S		
	Grid Frequency	EU: 50 Hz (45-55 Hz)		
	XPB Connection Interface	Input: 63A CEE Output: 1 x 32A CEE / 1 x 16A CEE / 3 x 16 A1P	Input: 125A CEE Output: 2 x 63A CEE / 1 x 32A CEE / 1 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 <sub>2</sub> / CO <sub>2</sub> ) in every Battery Pack		
Options	Cold Climate Package Cabinet, Cold Climate Package Mats (per Battery Pack) Tropical Climate Package for Cooling 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 250 A Input Option As Trailer or Crawler Version (release date to be advised)			

## DISCOVER NEW ENERGY

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