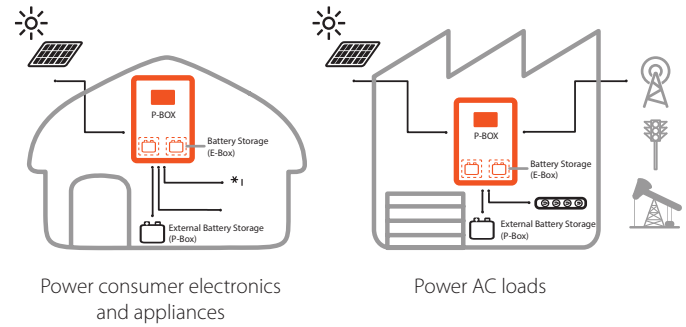


PHOCOS P-Box & E-Box AC Series

Pre-Assembled Off-Grid Power Cabinets (Phocos Americas Markets)



Application Drawings



Product Introduction

P-Box and E-Box AC series are all-in-one power cabinets that supply AC power from a PV array. This professionally designed, pre-assembled cabinet simplifies purchase decisions and installation (only PV modules and batteries are needed). Sizing and capacity of the control unit, solar charge controllers, inverters, wires, fuses, connections, circuit breakers and enclosure are pre-configured for optimal operation, low maintenance and long life.

Product Features

- Easy installation and reliable operation
- With or without space for batteries
- AC power from 700 W to 10.5 kW
- Optional AC power supply for grid backup
- Pre-wired circuit breakers for the PV array
- Industrial enclosure
- Optional automatic change-over relay

Residential Applications

- **Rural Electrification:** power appliances, TVs and computers
- **Off-Grid Homes:** easy installation and operation

Industrial Applications

- **Telecommunications:** pre-engineered for optimal performance
- **Oil & Gas:** power AC loads, wireless communications and remote site applications
- **Traffic Signals & Signs:** backup to unreliable grid power

Technical Data

AC Series	Battery Voltage (V)	Nom. PV Power (Wp)	Continuous Power (W)	Surge Power (W) (1 Sec.)	E-Box Only Battery Space
Standard P-Box & E-Box AC Models					
PBOX/EBOX-SH-40AC700	12/24V	≤600/1200W	700W	<1230W	2 x 8D Batteries
PBOX/EBOX-SH-40AC1000	12/24V	≤600/1200W	1000W	<1750W	4 x 8D Batteries
PBOX/EBOX-SH-40AC1500	12/24V	≤600/1200W	1500W	<2650W	4 x 8D Batteries
PBOX/EBOX-SH-40AC2000	12/24V	≤600/1200W	2000W	<3500W	4 x 8D Batteries
PBOX/EBOX-IN-100AC3000	48V	≤6000W	3000W	<6000W	4 x 8D Batteries
PBOX/EBOX-IN-100AC7000	48V	≤6000W	7000W	<6000W per Inverter	8 x 8D Batteries
PBOX/EBOX-AC3P-6000/48 (3 Phase)	48V	≤6000W	10,500W	<6000W per Inverter	Custom