

PowerBox™ - Your Electronic Mobile Powering System on a wheeled cart!



Design Patented !!!

HP • CV • DV • SC • PK

- ~6C10
- ~8C10
- ~10C10
- ~12C10(HP)
- ~6S10
- ~8S10
- ~10S10
- ~12C10(HP)

PowerBox™

The iFonix™ PowerBox™ series is an indoor & outdoor powering system that produces shore-power for electronic appliances with maximum rating up to 600 / 800 / 1000 watts respectively. Powered by a pre-installed rechargeable AGM battery from Brillhaus™, PowerBox™ acts as a mobile emergency powering system that sits on compact & unique wheels with an adjustable waist level handle. This system works more than a battery or an UPS as it provides you with desired AC household power to run a wide variety of electronic equipment and appliances when there is no utility power available.

PowerBox™'s all-in-one battery / inverter design can effectively overcome the potential hazard exists during user connecting individual battery / inverter units. Together with its sophisticated built-in protection functions, PowerBox™ is the ideal mobile power system with synchronized DC/ transformer technology and highest operation safety.

Apart from providing steady DC current, PowerBox™ can also serve high quality AC power operates most of the home appliances. With the Plug-&-Play features, user can handily obtain shore power by just plugging in appliance to PowerBox™'s AC socket. Without complicated cable connection required by conventional battery / inverter units, even amateur user can work comfortably with PowerBox™.

For easiest maneuver, this one-piece device is installed on a rigid trolley with adjustable handle. No matter outdoor users or elderly can enjoy this high mobility and effortless operation at anytime, any place!

The family of PowerBox™ consists the following series:-

- 1). **HP Series** - The basic model comes with a power inverting system which assembled with a AGM battery and featured on wheeled cart for users to enjoy the feeling of "Mobile Living Attitude";
- 2). **CV Series** - Similar to the HP Series but comes with a built-in charging system and featured with a TranSwit™ Auto Transferring System which allows you to use this series as an UPS or a back-up system to the mains;
- 3). **DV Series** - Based on HP Series but additionally featured with a TranSwit™ device which allows you to use this series as a power regulator between AC & DC power switching;
- 4). **SC Series** - Same as the HP Series but presented with a pre-installed photovoltaic charge controlling system which allows this series to be directly connected to / re-charged with solar panels;
- 5). **PK Series** - The other presentation of HP Series but launched with extra multi 12V DC powerful outlets for running multiple 12V DC applications at the same time.

As a reliable replacement to those noisy generators that you are using now, the PowerBox™ works quietly, clean and maintenance-free. The unit has a compact, integrated design that combines a 600 / 800 / 1000 -watt quality inverter from HumanPower™ respectively with 100 amp-hour AGM battery and recharging capability.

Recharge PowerBox using utility power from your wall outlet, from your vehicle as you drive, from a system equipped with a 12-volt battery-charging outlet such as our battery charger i-Charge™, or from a compact & uniquely designed photovoltaic module, the i-SoPak™.





Simple - Powerful - Reliable - Rechargeable

Product Features:

- High power 12 VDC connector to run 12VDC products wherever you need;
- Battery voltage status indicator with a test button confirms charge level;
- With single or dual 12V Power Outlets for running multiple 12V DC applications at the same time;
- Sealed, non-spillable battery with high cold cranking amperage included & is safe to store, use and transport.
- Battery can be recharged from your vehicle; or at home directly (Both AC charger & DC charging cable are included) - enabling you to operate the **PowerBox** in the "cordless mode" for greater efficiency and ease of use.
- Featured with Dual AC outlets for multiple applications at the same time,
- Removable handle for easy storage and transportation.

Optional Accessories:

- **i-Charge™** iB-1205 (5A) AC to DC battery charger to recharge **PowerBox** from a standard wall outlet.
- Self-contained Rubber Insulated heavy-duty booster clamps with AWG #6 cable carry more amperage included for **PowerBox** to jump-start your vehicle.

Specifications for PowerBox™ HP / CV / DV / SC Series

Electrical Specifications:	6S/C6	6S/C10	8S/C6	8S/C10	10S/C6	10S/C10
12 V DC Section						
Internal Power Bank / Battery	Brillhaus™ AGM Sealed Lead Acid Battery					
Internal Battery Capacity (Amp-hour)	65	100	65	100	65	100
Internal Battery Voltage	12 VDC (nominal)					
DC power socket	10 amps					
Inverter no-load current drawn	0.5 amps		0.8 amps		1.0 amps	
No. of 12V DC receptacle(s)	1-3 (subject to models)					
115/230 V AC Section						
AC output power (Max. continuous)	600 W		800 W		1000 W	
Surge capability (W)	1200 W		1600 W		2000 W	
RMS AC voltage & frequency (auto reset)	115 / 230 V ±5%, 60Hz ± 4Hz / 50Hz ± 4Hz					
AC output waveform	Regulated Modify Sine Wave					
No. of AC receptacle(s)	1-2 (subject to models)					
External AC Charging System						
AC charger bulk charging current	6S/C6		8S/C6		10S/C6	
Peak charging voltage	14.4 VDC ±5%					
Charge restart voltage	13.6 VDC ±5%					
Internal AC Charging System (CV Series)						
AC charger bulk charging current	6S/C6		8S/C6		10S/C6	
Peak charging voltage	14.4 VDC ±5%					
Charge restart voltage	13.6 VDC ±5%					
Internal Auto Transfer System (CD & DV Series)						
Mains AC Input Voltage (True RMS)	115VAC 60Hz or 230VAC 50Hz (V: +/- 18%, Hz: +/- 8%), 10 Amps					
Transfer relay rating (A) 115VAC / 230VAC	≥ 5.50	≥ 5.50	≥ 7.30	≥ 7.30	≥ 9.00	≥ 9.00
Transfer Time (Auto Switching Mode)	5 ~ 8 milliseconds					
Internal PV Charging System (SC Series)						
Maximum Input Current (A)	7 Amps					
Maximum PV Open Circuit Voltage (Voc)	25VDC					
Cut-in Voltage	13.0 VDC					
Cut-out Voltage	14.2 VDC (GEL Cell) / 14.4 VDC (AGM Lead Acid)					
General Specifications:						
Storage temperature	6S/C6		8S/C6		10S/C6	
Operating temperature	-10°C~60°C (14°F~140°F)					
Inverter low battery alarm alert	-5°C~50°C(23°F~122°F)					
Inverter low battery shutdown	10.8 VDC (nominal)					
Over Voltage shutdown	10.0 VDC (nominal)					
Overload auto shutdown (Solely)	> 600 W		> 800 W		> 1000 W	
Thermal shutdown	> 60 °C (140°F)					
Dimensions without trolley (HWD) (mm)	343.1 x 185.6 x 281.5					
Overall dimension with trolley (mm)	900.0 x 390.0 x 307.0					
Overall Weight	Kg	30.70	40.70	30.85	40.85	31.00
	Lbs	67.54	89.54	67.87	89.87	68.20
Limited Warranty (Battery not included)	6 months					
Remarks	Note: Design and specifications subject to change without prior notice.					

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