

# PB600 Series Mini DC UPS



The PB600 Series of DC UPS's are designed to provide battery back up to low power electronic devices such as routers, cct TV cameras, electronic door locks or any other piece of electronic equipment that needs to be able to stay operational in the event of an AC mains failure. They work in combination with a conventional AC-DC power adaptor as long as the output current of the adaptors is able to provide an additional 0.5A for charging the internal batteries of the DC UPS



## Specification

Model	PB600-12	PB600-19	PB600-24
Input Voltage Range	12-13V DC	18.5-20V DC	23.5-25V DC
Output Voltage	12V DC	19V DC	24V DC
Output Power (Max)	60W	66.5W	72W
Battery Charging Current	0.5A	0.5A	0.5A
Transfer Efficiency (Adaptor Mode)	95%	97%	98%
Transfer Efficiency (Battery Mode)	90%	90%	90%
Battery Capacity	48.84Wh, 6 x 2200mAh lithium batteries		
Charging Period	8 hours typical		
Back Up Period	Depends on load on the DC UPS, typical router can run several hours		
Protection	Over charging, discharging and short circuit protection		
Operating Temperature	0°C to 45°C charging and discharging		
LED Operation (Charge LED)	When DC input applied LED is red and turns green when batteries are fully charged		
LED Operation (Work LED)	Battery 80-100% green, 30-80% orange, 10-30% red, 1-10% red LED and flashes, 0% LED off		
ON/OFF DC Output	DC output powers on automatically when connected to load and powers off automatically when load disconnected		
Input Connector on Case	2.5 x 5.5mm female barrel connector		
Output Connector on Case	2.5 x 5.5mm female barrel connector		
Cable provided with DC UPS	60cm long with 2.5 x 5.5mm male barrel connector on each end (other options available on request)		
Adaptor Plugs provided	1 piece 2.1 x 5.5mm female to 2.5 x 5.5mm male plug 1 piece 2.5 x 5.5mm female to 2.1 x 5.5mm male plug		
DC UPS Dimensions	130 x 75 x 42mm		
DC UPS Weight	385 grams (excluding accessories)		
AC-DC Input Adaptor (Not included)	<p>The PB600 Series of DC UPS's are able to work with any standard approved AC-DC adaptor of the appropriate output voltage, which must match the output voltage of model selected. ie a PB600-12 would need to be powered by a 12V DC output AC-DC adaptor and a PB600-19 a 19V DC output AC-DC adaptor, etc. In addition the adaptor selected for use with these devices must be capable of delivering 0.5A more current than is required by the load being powered by the UPS, this is for charging the internal batteries of the DC UPS.</p> <p>Powersolve have a very wide range of suitable AC-DC adaptors and can offer a product for any application - consult sales office for details</p>		