

HPL624-12C

Power Supply/Battery Charger Kit

Description

The HPL624-12C power supply/battery charger kit converts a low-voltage AC input into 6 VDC or 12 VDC @ 1.20 A of continuous supply current. This general-purpose power supply has a wide range of applications for access control, security and CCTV systems that require additional power. For convenient operation using line power, this kit includes a HTP1640 plug-in transformer (for 12 VDC operation) and a 12 V, 5 AH rechargeable battery.

Benefits

- An all-in-one power supply and kit enclosed in roomy cabinet.
- Transformer thermal protection limits damage from overload circuits.
- LED lights for quick and easy diagnosis, troubleshooting, and status indication.
- Enclosure built for durability and product life.
- Power disconnect switch makes for easy servicing.
- Comes in kit form, ready for assembly and quick installation.
- Instantaneous switchover to standby battery (if equipped) when AC fails, maintaining power to all attached devices without intervention.

LED Diagnostics

Red LED DC	Green LED AC	Status
ON	ON	Normal operation.
ON	OFF	Loss of AC. Operating on standby battery
OFF	ON	No DC output. Short-circuit or thermal overload present
OFF	OFF	No DC output. Loss of AC. Battery discharged or not present.

Terminal Identification

Terminal Label	Function/Description
AC AC	Low voltage AC input. (Refer to <i>Voltage Output Selection Table</i>)
- DC +	6 VDC – 12 VDC @ 1.2 A continuous supply current output.
+ Bat -	Stand-by battery connections. Maximum charge rate 500 mA

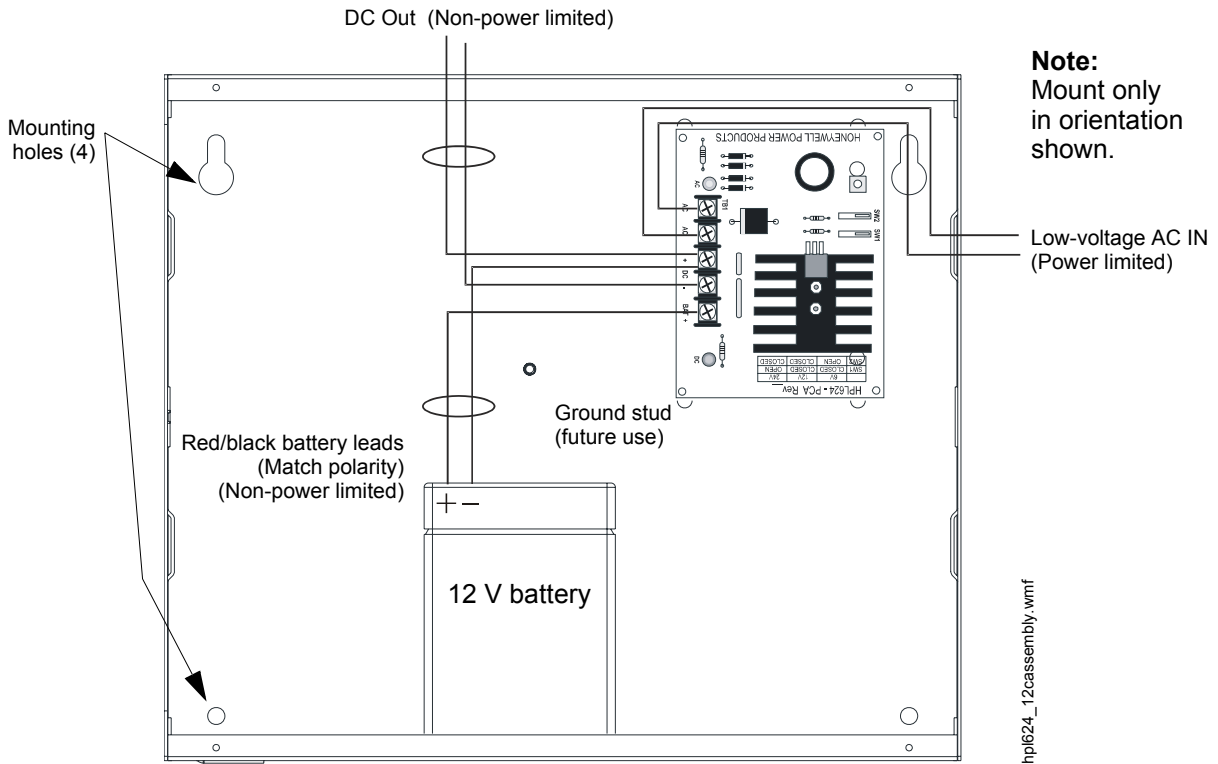


Electrical Specifications

- Switch-selectable for 6 VDC or 12 VDC.
- 1.20 A continuous supply current at 6 VDC/12 VDC.
- Filtered and electronically regulated output.
- Built-in charger for sealed lead-acid or gel-type batteries.
- Maximum charge current: 500 mA.
- Automatic switchover to standby battery when AC fails.
- Thermally limited design.
- Circuit-breaker battery protection.
- AC input and DC output LED diagnostic indicators.
- Battery leads included (5A/12V battery not included).
- Temperature range 32°F to 120°F (indoor use only).
- Power supply dimensions: 3.0" D x 4.0" W x 1.5" H (cm: 7.62 H x 10.16 W x 3.81 D). Enclosure dimensions 11.0" H x 10" W x 5.0" D (cm: 29.21 H x 25.4 W x 12.7 D).
- Green AC LED.
- Red DC LED.

Voltage Output Selection

Output Voltage/ Current	SW1 <i>On = Up</i>	SW2 <i>On = Up</i>	Transformer Requirements
12 VDC @ 1.2 A	ON	ON	16.5 VAC / 40 VA (model HTP1640, included).
6 VDC @ 1.2 A	ON	OFF	12 VAC / 20 VA (model HTP 1220, sold separately).



Typical Assembled Kit and Wiring Diagram



WARNING:

To reduce risk of electric shock, do not expose unit to rain or excessive moisture, and disconnect power before servicing unit.

- A readily accessible switched circuit breaker must be available to disconnect mains power as required.
- All power-limited wiring should be routed so that it cannot touch non-power-limited wiring; minimum spacing 1/4" (6.35 mm).
- No user-serviceable parts inside. Installation & servicing should only be made by qualified personnel.
- Install in accordance with all local regulations and the National Electrical Code

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