

## HPL624

### Linear Power Supply/Charger

#### Description

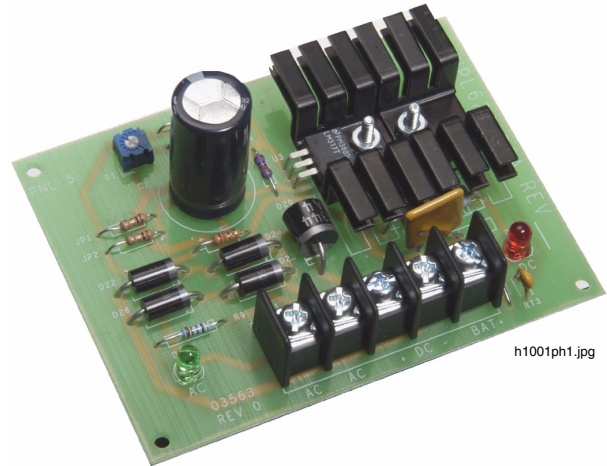
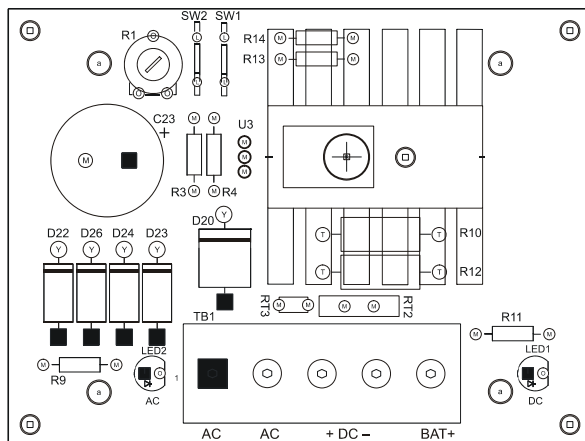
The HPL624 linear power supply/charger converts low-voltage AC input into 6 VDC or 12 VDC @ 1.20 A, or 24 VDC @ 0.75 A, of continuous supply current. This general-purpose power supply has a wide range of applications for access control, security and video systems that require additional power. For convenient operation using line power, select a plug-in transformer from the table below.

#### Benefits

- Appropriate transformer options enable easy voltage configuration and simple operation.
- Voltage choice is easily changeable by switch on board.
- Instantaneous switchover to standby battery (if equipped) when AC fails, maintaining power to all attached devices without intervention.
- Power supply and charger board easily mounts using foam tape (included) or with optional HST34 snap track.
- LED lights for quick diagnosis, troubleshooting, and status indication.

#### 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.



#### 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)
24 VDC @ 750 mA	OFF	ON	24 VSC / 40 VA (model HTP2440)
6 VDC @ 1.2 A	ON	OFF	12 VAC / 20 VA (model HTP 1220)

#### Electrical Specifications

- Switch-selectable for 6 VDC, 12 VDC, or 24 VDC.
- 1.20 A continuous supply current at 6 VDC/12 VDC.
- 0.75 A continuous supply current at 24 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.

#### Mechanical Specifications

- Dimensions: 16.0" H x 12.25" W x 3.0" D (cm: 40.64 H x 30.88 W x 7.62 D).
- Indicator lights: AC Power On (green), DC Power On (red).

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.  
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