

UPS800 Series

AC/DC DC UPS 12V 24V 36V 48V 75W - 600W



Features

- Universal input: 90 ~ 264VAC
- DC Output: 12V, 24V, 36V or 48V
- AC input via IEC socket
- Screw terminal connections for DC / Batt & Alarms
- AC Fail Alarm
- Charger Fail Alarm
- Battery Low Alarm
- Battery Open Circuit Alarm
- Low Voltage Disconnect to protect battery

Specifications

| | |
|--------------------------------|---|
| Input Voltage | 90 ~ 264VAC (150W models: 110/230VAC select) |
| Frequency | 47~63Hz |
| Power Factor | 0.95 at nominal input |
| Input Current | Model dependent |
| Efficiency | Model dependent typically 85% |
| Output Voltage | Nominal: 12Vdc, 24Vdc, 36Vdc, 48Vdc |
| Output Power | 75 – 600 watt |
| Ripple & Noise | < 1% |
| Line Regulation | < 1% |
| Load regulation | < 3% |
| Temp Coefficient | 0.02% per °C |
| Overload protection | Battery Output: Constant current limiting Load Output: Fuse |
| Over voltage protection | OVP will shutdown unit. Recycle AC power after 30 seconds to restart. |
| Parallel Operation | Yes (consult office for details) |
| Operating Temp | -10°C to +50°C at Full load Derate to 40% load at 70°C |
| Operating Humidity | 10~90% RH (non Condensing) |
| Cooling | 75 – 150W convection 200 -600W built in fan |
| Isolation | Input – Output: 3000Vac Input – Ground: 2000Vac Output – Ground: 500Vac |

Description

The UPS800 series DC UPS Units are DC UPS units for DC backup applications. The UPS800series is built with a range of features & alarms, that allows the user a full analysis of the status of the system.

Aimed at commercial and industrial applications for reliability and simplicity of use. The product comes in two size packages that can be panel mounted or optional DIN mount.

One common alarm provided with voltage free relay contacts. Individual alarms through open collector signals. A built in battery fuse is provided.

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|-------------------|---|
| Safety | Internal rectifier / charger modules EN60950-1, UL60950-1, EN50178 |
| EMI | EN55001 / EN55022 Level B |
| Immunity | EN61000-4-2, -3, -4, -5, -6, -8, 11 |
| Alarms | AC fail , DC fail , Battery Low Battery Open Circuit Open collector signal Common Alarm relay for any alarm <ul style="list-style-type: none">• Battery low will only activate when input power not present |
| Connector | Input: IEC socket Output: Screw terminals Alarms: Screw terminals |
| Indicator | LED |
| Dimensions | 75-300W: 243 x 130 x 78mm (L x W x H) 600W: 243 x 130 x 98mm |

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| MODEL | Voltage | Load (A) | Batt(A) | Total Power |
|------------|---------|----------|---------|-------------|
| UPS812-75 | 13.8V | 2.5A | 2.5A | 75W |
| UPS812-100 | 13.8V | 4A | 2.5A | 100W |
| UPS812-150 | 13.8V | 7.5A | 2.5A | 150W |
| UPS812-200 | 13.8V | 13A | 4A | 200W |
| UPS812-300 | 13.8V | 20A | 6A | 300W |
| UPS812-600 | 13.8V | 30A | 8A | 600W |
| UPS824-75 | 27.6V | 2A | 1A | 75W |
| UPS824-100 | 27.6V | 4A | 2.5A | 100W |
| UPS824-150 | 27.6V | 2.5A | 2.5A | 150W |
| UPS824-200 | 27.6V | 6A | 2.5A | 200W |
| UPS824-300 | 27.6V | 12A | 12A | 300W |
| UPS824-600 | 27.6V | 25A | 25A | 600W |

Note: Total load & Batt charge current cannot exceed total Output Power

150W models input factory set for 230VAC

| MODEL | Voltage | Load (A) | Batt (A) | Total Power |
|------------|---------|----------|----------|-------------|
| UPS836-75 | 41.4V | 1A | 1A | 75W |
| UPS836-100 | 41.4V | 2A | 1A | 100W |
| UPS836-150 | 41.4V | 3A | 1A | 150W |
| UPS836-200 | 41.4V | 5.5A | 5.5A | 200W |
| UPS836-300 | 41.4V | 8A | 8A | 300W |
| UPS836-600 | 41.4V | 16A | 16A | 600W |
| UPS848-75 | 55.2V | 1A | 0.5A | 75W |
| UPS848-100 | 55.2V | 1.5A | 0.5A | 100W |
| UPS848-150 | 55.2V | 2A | 1A | 150W |
| UPS848-200 | 55.2V | 4A | 4A | 200W |
| UPS848-300 | 55.2V | 6A | 6A | 300W |
| UPS848-600 | 55.2V | 12A | 12A | 600W |

Note: Total load & Batt charge current cannot exceed total Output Power

150W models input factory set for 230VAC

