

75-240W Single Phase Power Supplies



Key Features

- Universal AC Input / Full Range or switch select
- LED indicator for power on
- 100% full load burn-in test
- 3 year warranty
- Input voltage range:*
85-264V AC
120-370V DC
- AC inrush current:
Cold start: 20A at 115V AC
40A at 230V AC
- DC adjustment range:
±10% rated output voltage
- Overload voltage protection:
105%-160% constant current limiting, auto-recovery
- Over-voltage protection:
115%-135% rated output voltage
- Setup, rise, hold up time:
500ms; 70ms; 30ms at full load and 230V AC
- Withstand voltage:
I/P-O/P: 3KV AC, I/P-FG: 1.5KV AC, O/P-PG: 0.5KV AC
- Working temperature:
-20 to +50°C (-4° to +122°F) at 100%, and +60°C (+140°F) at 80% load
- Safety standards:
UL60950-1
UL508
- EMC standards:
EN55022 class B,
EN61000-4-2,3,4,5,6,8,11,
ENV50204,
EN61204-3
- Military Standard
MIL-HDBK-217F

* Except PSH-120xx
(see data sheet at altechcorp.com)



75W Single Output DIN Rail Power Supply

| Cat. No. | Output | | Tol. % | Ripple & Noise | Efficiency |
|----------|--------|------|--------|----------------|------------|
| | V DC | A | | | |
| PS-7512 | 12V DC | 6.3A | ±2% | 100 mVp-p | 76% |
| PS-7524 | 24V DC | 3.2A | ±1% | 150 mVp-p | 80% |
| PS-7548 | 48V DC | 1.6A | ±1% | 240 mVp-p | 81% |

Universal Input: 85-264V AC, 120-370V DC full range,
1.6A @ 115V AC, 0.96A @ 230V AC
Connection: Input - 3 poles, Output - 4 poles screw terminal
Size (WxHxD): 55.5x125x100mm (2.20x4.95x3.95 inches)
Packaging: 1/box; 1.35lbs / 0.60Kg



120W Single Output DIN Rail Power Supply

| Cat. No. | Output | | Tol. % | Ripple & Noise | Efficiency |
|----------|--------|------|--------|----------------|------------|
| | V DC | A | | | |
| PS-12012 | 12V DC | 10A | ±2% | 80 mVp-p | 80% |
| PS-12024 | 24V DC | 5A | ±1% | 80 mVp-p | 84% |
| PS-12048 | 48V DC | 2.5A | ±1% | 100 mVp-p | 85% |

Switch select Input: 88-132V AC / 176-264 V AC, 248-370V DC range,
2.6A @ 115V AC, 1.6A @ 230V AC
Connection: Input - 3 poles, Output - 4 poles screw terminal
Size (WxHxD): 65.5x125x100mm (2.56x4.95x3.95 inches)
Packaging: 1/box; 1.75lbs / 0.79Kg



120W High Input Single Output DIN Rail Power Supply

| Cat. No. | Output | | Tol. % | Ripple & Noise | Efficiency |
|-----------|--------|------|--------|----------------|------------|
| | V DC | A | | | |
| PSH-12024 | 24V DC | 5A | ±1% | 80 mVp-p | 85% |
| PSH-12048 | 48V DC | 2.5A | ±1% | 80 mVp-p | 86% |

Switch select Input: 340-550V AC, 480-780V DC range,
0.65A @ 400V AC, 0.6A @ 500V AC
Connection: Input - 3 poles, Output - 4 poles screw terminal
Size (WxHxD): 65.5x125x100mm (2.56x4.95x3.95 inches)
Packaging: 1/box; 1.65lbs / 0.75Kg



240W Single Output DIN Rail Power Supply with PFC Function

| Cat. No. | Output | | Tol. % | Ripple & Noise | Efficiency |
|-----------|--------|-----|--------|----------------|------------|
| | V DC | A | | | |
| PSP-24024 | 24V DC | 10A | ±1% | 80 mVp-p | 84% |
| PSP-24048 | 48V DC | 5A | ±1% | 150 mVp-p | 85% |

Universal Input: 85-264V AC, 120-370V DC full range,
2.8A @ 115V AC, 1.4A @ 230V AC
Built in active Power Factor Correction function. PF>0.95
Connection: Input - 3 poles, Output - 4 poles screw terminal
Size (WxHxD): 125x125x100mm (4.95x4.95x3.95 inches)
Packaging: 1/box; 2.7lbs / 1.2Kg

