

Universal input 85 - 264V AC
50 - 150 watt models
Harmonic Current per EN61000-3-2
Power factor correction 0.99 typical
Floating output, fully isolated
Single regulated output with remote sense
Remote on / off option
OVP and overload protection
EMC to EN55011-B and EN55022-B
Immunity to EN6100-4-2, -3 -4 -5 -6
EN60950/UL1950 certification and CE marked
AS3260 safety approval no. CS99074V
Vented case suitable for panel mounting
DIN rail clips or DIN rail brackets (optional)

Suitable for a wide range of industrial, automation and telecom applications.

◆ 24 Month Warranty

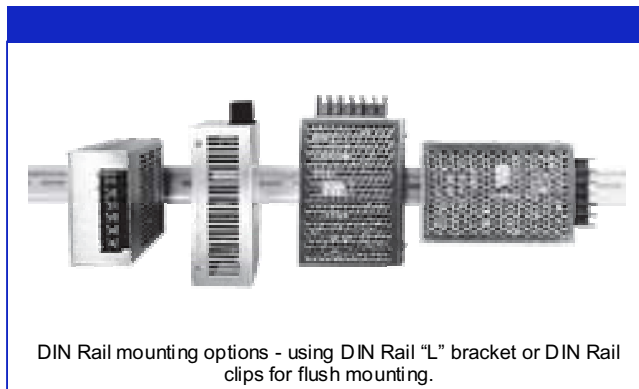
SPECIFICATIONS All specifications are typical at nominal input, full load and at 25°C unless otherwise stated.

| ELECTRICAL | |
|---------------------|---|
| AC Input | 85 - 264V AC |
| DC Input | 120 - 330V DC |
| Frequency | 47 - 63Hz |
| Fusing / Protection | |
| Isolation | 3KV AC input - output 2KV AC input - chassis 500V AC output - frame |
| Efficiency | Model dependant (65 - 80%) |
| Inrush current | 50 - 100W models: 28A @ 200V AC 150W model: 50A @ 200V AC |
| Output Power | Refer model table (50 - 150W) |
| Output Voltages | Refer model table (3 - 48V) |
| Voltage adj. range | Typically ± 10% of nominal. |
| Temp Co-Efficient | ±0.02% per °C |
| Current Limit | Constant current limiting set at approx. 110% of rated output with auto recovery. |
| Line Regulation | Typically ±0.4% over input range |
| Load Regulation | Typically ±0.6% from no load to full load |
| Power Factor | 0.99 @ 100V AC, 0.95 @ 230V AC |
| Output Noise | Typically 1% of nominal V out |
| Hold up time | 20ms at rated power and input |
| Start up time | 3 seconds |
| OVP | OVP will shutdown unit, manual reset by AC line recycle. |
| Minimum Load | Units will operate with zero load |
| Leakage Current | 0.75mA / 0.44mA @ 100 / 200V AC |
| Remote Sense | Yes, 100 and 150W models only. |
| Remote on / off | Option |

| PHYSICAL | |
|-------------|-------------------------------------|
| Connections | Screw Terminals |
| Weight | Refer model table (350 - 850gm) |
| Mounting | DIN / Panel (DIN brackets optional) |
| Cooling | Convection cooled |

| ENVIRONMENTAL | |
|-----------------------|--|
| Operating temperature | -10 - 50° C at full load. Derate to 60% @ 60° C |
| Humidity | 10 - 95% RH non condensing |
| Altitude | |
| Vibration | 2G constant operating |
| Shock | <20G |

| STANDARDS | |
|-----------|---|
| Safety | Approved to IEC950, EN60950, UL1950, AS3260 |
| EMI / RFI | EN55011 / EN55022 / AS3548 class B |



50 - 150 Watt AC/DC Single output switchmode DC Power Supplies



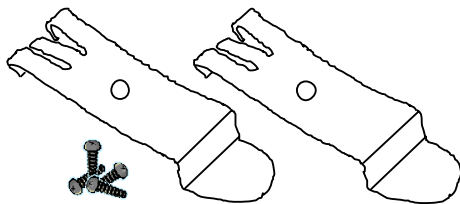
| STANDARD PREFERRED MODEL TABLE | | | | | | |
|--------------------------------|-------|-------|---------------|-------|---------------|--------|
| MODEL | Volts | Amps | Adj. Range | Watts | L x W x H | Weight |
| JWS50-3A | 3.3V | 10A | 2.83 - 3.63V | 33W | 171 x 85 x 37 | 350gm |
| JWS50-5A | 5V | 10A | 4.5 - 5.5V | 50W | 171 x 85 x 37 | 350gm |
| JWS50-9A | 9V | 5.6A | 8.1 - 9.9V | 51W | 171 x 85 x 37 | 350gm |
| JWS50-12A | 12V | 4.3A | 10.8 - 13.2V | 52W | 171 x 85 x 37 | 350gm |
| JWS50-15A | 15V | 3.5A | 13.5 - 16.5V | 52W | 171 x 85 x 37 | 350gm |
| JWS50-24A | 24V | 2.2A | 21.6 - 26.4V | 52W | 171 x 85 x 37 | 350gm |
| JWS50-28A | 28V | 2.0A | 25.2 - 30.8V | 56W | 171 x 85 x 37 | 350gm |
| JWS50-48A | 48V | 1.1A | 43.2 - 52.8V | 52W | 171 x 85 x 37 | 350gm |
| JWS75-3A | 3.3V | 15A | 2.85 - 3.63V | 50W | 187 x 92 x 42 | 450gm |
| JWS75-5A | 5V | 15A | 4.5 - 5.5V | 75W | 187 x 92 x 42 | 450gm |
| JWS75-12A | 12V | 6.3A | 10.8 - 13.2V | 75W | 187 x 92 x 42 | 450gm |
| JWS75-15A | 15V | 5.0A | 13.5 - 16.5V | 75W | 187 x 92 x 42 | 450gm |
| JWS75-24A | 24V | 3.2A | 21.6 - 26.4V | 76W | 187 x 92 x 42 | 450gm |
| JWS75-48A | 48V | 1.6A | 43.2 - 52.8V | 76W | 187 x 92 x 42 | 450gm |
| JWS100-3A | 3.3V | 20A | 2.85 - 3.63V | 66W | 205 x 92 x 50 | 650gm |
| JWS100-5A | 5V | 20A | 4.5 - 5.5V | 100W | 205 x 92 x 50 | 650gm |
| JWS100-6A | 6V | 16.7A | 5.4 - 6.6V | 100W | 205 x 92 x 50 | 650gm |
| JWS100-9A | 9V | 11.2A | 8.1 - 9.9V | 100W | 205 x 92 x 50 | 650gm |
| JWS100-12A | 12V | 8.5A | 10.8 - 13.2V | 102W | 205 x 92 x 50 | 650gm |
| JWS100-15A | 15V | 7.0A | 13.5 - 16.5V | 105W | 205 x 92 x 50 | 650gm |
| JWS100-24A | 24V | 4.5A | 21.6 - 26.4V | 108W | 205 x 92 x 50 | 650gm |
| JWS100-28A | 28V | 3.6A | 25.2 - 30.8 V | 100W | 205 x 92 x 50 | 650gm |
| JWS100-48A | 48V | 2.1A | 43.2 - 52.8V | 100W | 205 x 92 x 50 | 650gm |
| JWS150-3A | 3.3V | 30A | 2.85 - 3.63V | 100W | 217 x 92 x 65 | 850gm |
| JWS150-5A | 5V | 30A | 4.5 - 5.5V | 150W | 217 x 92 x 65 | 850gm |
| JWS150-12A | 12V | 13A | 10.8 - 13.2V | 156W | 217 x 92 x 65 | 850gm |
| JWS150-15A | 15V | 10A | 13.5 - 16.5V | 150W | 217 x 92 x 65 | 850gm |
| JWS150-24A | 24V | 6.5A | 21.6 - 26.4V | 156W | 217 x 92 x 65 | 850gm |
| JWS150-28A | 28V | 5.5A | 25.2 - 30.8V | 154W | 217 x 92 x 65 | 850gm |
| JWS150-48A | 48V | 3.3A | 43.2 - 52.8V | 158W | 217 x 92 x 65 | 850gm |

Please contact us for specific drawings of your preferred power supply.

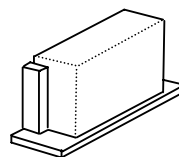
- ◆ Not suitable for parallel operation
- ◆ Suitable for series operation

OPTIONAL MOUNTING BRACKETS

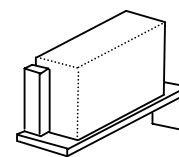
| MODEL | Flat Type | L Type | DIN Rail |
|--------|-----------|--------|------------------------|
| JWS50 | A-21 | L-09 | L-DIN-50-75 |
| JWS75 | A-22 | L-10 | L-DIN-50-75 |
| JWS100 | A-23 | L-11 | L-DIN-100-150 Or Clips |
| JWS150 | A-24 | L-12 | L-DIN-100-150 Or Clips |



Optional DIN Rail mounting clips



Flat Type



L Type