

DCW100-200 SERIES

DC/DC Single Output: 100 ~ 200 Watts



Features

- Wide input range: **20 ~ 60VDC, 65 ~ 160VDC**
- Convection cooled: No fans
- Three power levels: 100, 150 & 200 watts
- Fully isolated input – output
- Over voltage protection
- Overload and short circuit protection
- Inrush current limiting
- MTBF > 150,000hrs
- Specials input / output combinations on request.
- Any output from 12vdc ~ 50vdc possible
- Customised mechanical solutions on request
- **DIN Rail** mounting options

Specifications:

| | |
|---------------------------|---|
| Input Voltage | 24 / 48VDC (20 ~ 60) 72 / 110VDC (65 ~ 160) |
| | • Other voltages on request |
| Input Protection | Reverse polarity protection. Inrush current limiting Thermal Fuse |
| Isolation | Input - Output 1500 vdc Input – Chassis 1500 vdc Output – Chassis 500 vdc |
| | • Other options on request |
| Efficiency | Model dependent , typically 83% |
| Switching Freq. | 50kHz |
| Output voltage | Any voltage from 12 to 50VDC |
| Output Power | 100 ~ 200 watts |
| Voltage adjustment | ±5.0% |
| Parallel Operation | NO. |
| Line Regulation | ±1% over input range |
| Load Regulation | ±2% from no load to full load. |

| | |
|----------------------------------|---|
| Output Protection | <ul style="list-style-type: none"> • Over voltage protection • Current limiting with hiccup mode. • Thermal protection |
| Short Circuit Protection | Current limiting with hiccup mode |
| EMI | EN55022 class A |
| Output Ripple & Noise | 1% pk-pk maximum of output voltage setting |
| Operating Temp. | 0°C to +50°C at full load. Derate 2.5% per °C from 50° -70°C. |
| Humidity | 10-95% non-condensing (Conformal Coating optional) |
| Cooling | Conduction cooled or Convection cooled. |
| Output Alarm | N/A |
| Terminals | Screw- type terminal block (other options on request) |
| Dimensions & Weight | 100W: 87 x 155 x 50mm 560g 150W: 198 x 112 x 51mm 900g 200w: 254 x 113 x 58mm 1.13kg |

| Model | Input V | Output V | Output A | Power W |
|-------------|----------|----------|----------|---------|
| DCW100-5FT | 20 ~ 60V | 5V | 15A | 75W |
| DCW100-12FT | 20 ~ 60V | 12V | 8A | 96W |
| DCW100-24FT | 20 ~ 60V | 24V | 4A | 96W |
| DCW100-48FT | 20 ~ 60V | 48V | 2A | 96W |
| DCW150-12FT | 20 ~ 60V | 12V | 12A | 144W |
| DCW150-24FT | 20 ~ 60V | 24V | 6A | 144W |
| DCW150-48FT | 20 ~ 60V | 48V | 3A | 144W |
| DCW200-12FT | 20 ~ 60V | 12V | 16A | 192W |
| DCW200-24FT | 20 ~ 60V | 24V | 8A | 192W |
| DCW200-48FT | 20 ~ 60V | 48V | 4A | 192W |

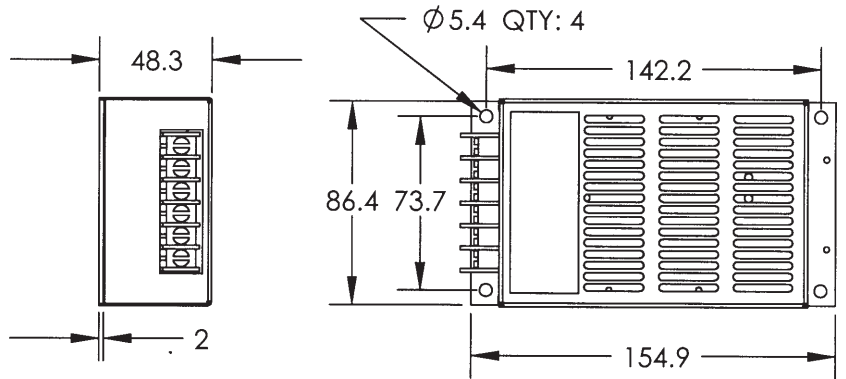
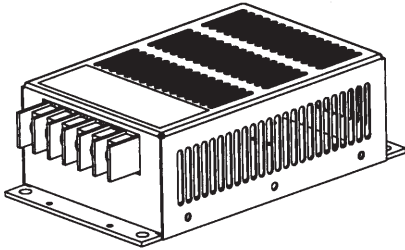
| Model | Input V | Output V | Output A | Power W |
|-----------------|---------|----------|----------|---------|
| DCW100-110-5FT | 110V | 5V | 15A | 75W |
| DCW100-110-12FT | 110V | 12V | 8A | 96W |
| DCW100-110-24FT | 110V | 24V | 4A | 96W |
| DCW100-110-48FT | 110V | 48V | 2A | 96W |
| DCW150-110-12FT | 110V | 12V | 12A | 144W |
| DCW150-110-24FT | 110V | 24V | 6A | 144W |
| DCW150-110-48FT | 110V | 48V | 3A | 144W |
| DCW200-110-12FT | 110V | 12V | 16A | 192W |
| DCW200-110-24FT | 110V | 24V | 8A | 192W |
| DCW200-110-48FT | 110V | 48V | 4A | 192W |

- **Other output voltage options on request**

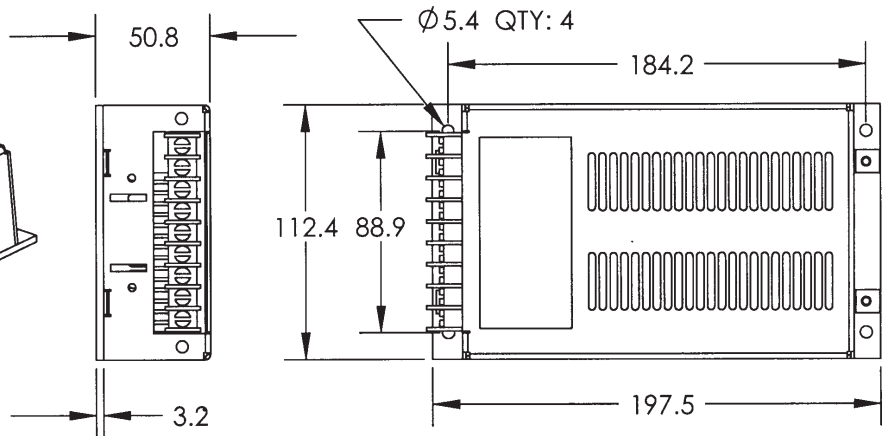
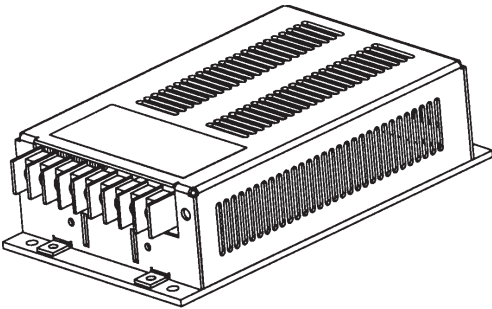
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DC/DC Single Output: 100 ~ 200 Watts

DCW100



DCW150



DCW200

