AC-DC

250 WATT AC-DC CONVERTER

DT-AC06-250W

- **Input Range 90~265 VAC**
- **1500 VAC Isolation**
- **Operating Temperature -40°C ~ +85°C**
- **High Efficiency up to 90%**
- **SCP, OVP, OCP**
- **Size: 200mm (L) x 150mm (W) x 40mm (H)**
- **Conduction cooled**
- **Weight < 3kg**
- **1 Year Warranty**

Specification

Input

Input Voltage	• 90-265 VAC, Typ. 230 VAC
Input Frequency	• 47-63 Hz, Typ. 50 Hz, 1Ø AC
Power Factor	• ≥0.9 at full load

Output

Output Voltage & Current	• **V1**: +5 VDC ± 0.2 V, **I1**: 6A • **V2**: +15 VDC ± 0.2 V, **I2**: 2A • **V3**: -15 VDC ± 0.2 V, **I3**: 2A • **V4**: +28 VDC ± 0.3 V, **I4**: 2A • **V5**: +12 VDC ± 0.2 V, **I5**: 2A • **V6**: -12 VDC ± 0.2 V, **I6**: 2A • **V7**: -5.2 VDC ± 0.2 V, **I7**: 2A • **V8**: -2 VDC ± 0.2 V, **I8**: 2A
Ripple/Noise	• **V1**: 100 mV • **V2**: 200 mV • **V3**: 200 mV • **V4**: 300 mV • **V5**: 200 mV • **V6**: 200 mV • **V7**: 100 mV • **V8**: 100 mV
Line Regulation	• ≤ ±1% at connector end
Load Regulation	• ≤ ±3% at connector end
Overvoltage Protection	• 110 ~ 130%
Overcurrent Protection	• 110 ~ 200%
Short Circuit Protection	• Auto Recovery

General

Efficiency	• Up to 80% at full load
Isolation	• 1500 VAC Input to Output Leakage current ≤ 10mA/60s • 1500 VAC Input to Ground Leakage current ≤ 10mA/60s • 500 VDC Output to Ground Leakage current ≤ 10mA/60s
Insulation Resistance	• 100 MΩ, DC 500V • 100 MΩ, DC 500V • 100 MΩ, DC 500V

Environmental

Operating Temperature	• -40 ˚C to +85 ˚C
Cooling	• Baseplate, Conduction cooling
Storage Temperature	• -50 ˚C to +95 ˚C

Communication Function

Communication Protocol	• RS422
Controlled Independently of each other	• Yes
Controlled Independently	• Yes

Notes

1. Safety approvals cover frequency 47-63 Hz.

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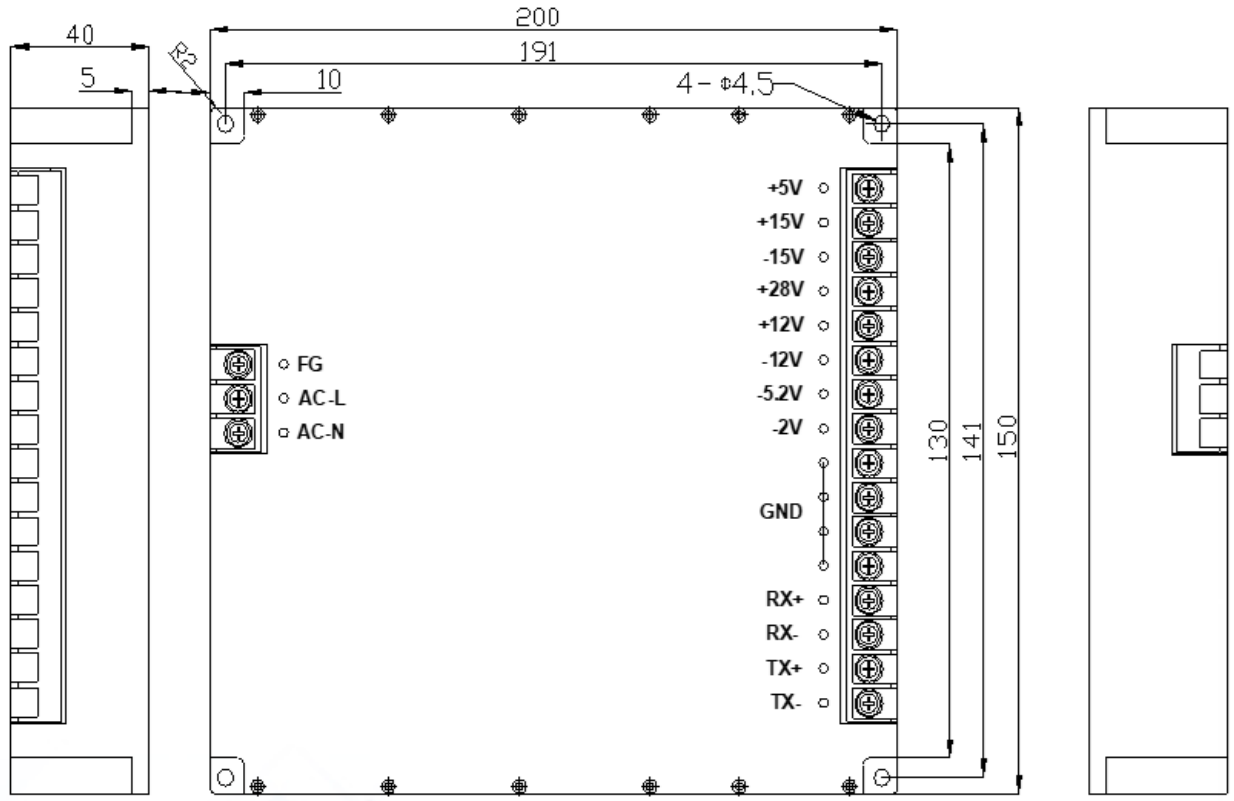
Mechanical Drawing