

DT-AD100-D0512

- Input Range 90~265 VAC
- 1500 VAC Isolation
- Operating Temperature -40°C ~ +85°C
- High Efficiency up to 85%
- SCP, OVP
- Size: 145mm (L) x 80mm (W) x 27mm (H)
- Conduction cooled
- Weight ≤ 1Kg
- 1 Year Warranty

Specification

Input

Input Voltage	• 90-264 VAC, Typ. 230 VAC
Input Frequency	• 47-63 Hz, Typ. 50 Hz
Power Factor	• ≥0.9 at full load

Output

Output Voltage	• V1: +5 VDC • V2: +12 VDC
Output Current	• I1: 8A • I2: 4A
Output Power	• 100-Watt max.
Line Regulation	• ≤ ±1% at connector end
Load Regulation	• ≤ ±1% at connector end
Ripple & Noise	• < 100mV pk-pk at connector end
Overvoltage Protection	• 110 ~ 130%
Short Circuit Protection	• Auto Recovery

General

Efficiency	• Up to 85% at full load
Isolation	• 1500 VAC Input to Output • 1500 VAC Input to Ground • 500 VDC Output to Ground

Environmental

Operating Temperature	• -40 °C to +65 °C
Cooling	• Baseplate, Conduction cooling
Operating Humidity	• 95% RH, non-condensing
Storage Temperature	• -40 °C to +85 °C
ESS	• Built to meet JSS 55555 L3 (Vibration, Low & High Temperature)

EMI/EMC

Conducted Emission (CE 102)	• Built to meet MIL STD-461 F
Radiated Emission (RE 102)	• Built to meet MIL STD-461 F

Notes

1. MIL-STD-461-F (Conducted & Radiated Emission)
2. Safety approvals cover frequency 47-63 Hz.

Mechanical Drawing

