



- 18-36 VDC Input Voltage
- 8 Outputs
- Maximum Power 300W
- Transient and EMI Protections
- Operating Temperature -40°C ~ +95°C
- Size: 167mm (L) x 233.4mm (W) x 40mm (H)
- Conduction cooled
- 1 Year Warranty

Specification

Input

Input Voltage	• 18-36 VDC, Typ. 24 VDC
Input Current	• 21 A
Input Surge	• 50 V @50ms
Undervoltage lockout	• 17.5 VDC min.
Overvoltage lockout	• 36.3 – 39.6 VDC, Typical 37.8 VDC
No-load input power	• 35 Watt
Efficiency	• ≤78% @full load

Output

Output Voltage-V1

Output Voltage	• 3.59 - 3.66 VDC, Typ. 3.63 VDC
Output Current	• 4A
Line Regulation	• 10 mV
Load Regulation	• 30 mV
Output Noise	• 100mV pk-pk
Output Current limit	• 10.5A – 15A @ 24 VDC

Output Voltage-V2

Output Voltage	• 5.45 – 5.56 VDC, Typ. 5.5 VDC
Output Current	• 7A
Line Regulation	• 10 mV
Load Regulation	• 50 mV
Output Noise	• 150mV pk-pk
Output Current limit	• 10.5A – 15A @ 24 VDC

Output Voltage-V3

Output Voltage	• 11.9 – 12.2 VDC, Typ. 12 VDC
Output Current	• 2A
Line Regulation	• 24 mV
Load Regulation	• 25 mV
Output Noise	• 150mV pk-pk
Output Current limit	• 8.5A – 10.9A @ 24 VDC

Notes

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

Output Voltage-V4

Output Voltage	• 3.27 – 3.33 VDC, Typ. 3.3 VDC
Output Current	• 9.1A
Line Regulation	• 10 mV
Load Regulation	• 30 mV
Output Noise	• 180mV pk-pk
Output Current limit	• 10.5A – 15A @ 24 VDC

Output Voltage-V5

Output Voltage	• 4.95 – 5.05 VDC, Typ. 5 VDC
Output Current	• 21.5A
Line Regulation	• 10 mV
Load Regulation	• 100 mV
Output Noise	• 200mV pk-pk
Output Current limit	• 25.5A – 33.8A @ 24 VDC

Output Voltage-V6

Output Voltage	• 11.8 – 12.2 VDC, Typ. 12 VDC
Output Current	• 1A
Line Regulation	• 30 mV
Load Regulation	• 100 mV
Output Noise	• 91mV pk-pk
Output Current limit	• 7.3A @ 24 VDC

Output Voltage-V7

Output Voltage	• -11.8 to -12.2 VDC, Typ. -12 VDC
Output Current	• 1A
Line Regulation	• 30 mV
Load Regulation	• 100 mV
Output Noise	• 150mV pk-pk
Output Current limit	• 6A – 8.5A @ 24 VDC

Output Voltage-V8

Output Voltage	• 23.5 – 24.5 VDC, Typ. 24 VDC
Output Current	• 2A
Line Regulation	• 25 mV
Load Regulation	• 250 mV
Output Noise	• 150mV pk-pk
Output Current limit	• 4.25A – 5.67A @ 24 VDC

CONNECTOR PIN DESCRIPTION

J1	DESCRIPTION
PIN 47	+IN
PIN 46	-IN
PIN 45	Earth
PIN 19, 20	+V4
PIN 18	+ Sense V4
PIN 17	- Sense V4
PIN 15, 16	-V4
PIN 11, 12, 13, 14	+V5
PIN 9	+ Sense V5
PIN 10	- Sense V5
PIN 7, 8	+V6
PIN 5, 6	+V7
PIN 1, 2, 3, 4	-V5, -V6, -V7

J2	DESCRIPTION
PIN 17, 18	+V8
PIN 15, 16	-V8
PIN 14	+ Sense V2
PIN 13	+V2
PIN 9, 10, 11, 12	+V3
PIN 8	+ Sense V3
PIN 7	- Sense V3
PIN 6	+ Sense V1
PIN 5	+V1
PIN 1, 2, 3, 4	-V1, -V2, -V3

Mechanical Drawing

