



10HP x 3U x 160mm VME Bus Standard

### Features:

- \* Universal AC Input (90-264 VAC)
- \* Remote Inhibit, Remote Sense & Power Fail Signals
- \* 10HP x 3U x 160mm VME Bus Standard
- \* Worldwide Safety Approvals
- \* EN55022 & FCC Class B Emissions
- \* CE Mark

### Input

Input Voltage	90-264 VAC
Input Frequency	47-63Hz (Optional 440Hz)
Inrush Current	32A Max @ 230 VAC Cold Start
Input Current	1A @ 115 VAC / 0.5A @ 230 VAC Typical
Hold-Up Time	20ms minimum Full Load
Leakage Current	<400 $\mu$ A @ 230 VAC
Power Factor	>0.98 typical

### General

Efficiency	73-76% typical
Switching Frequency	Fixed (80KHz)
Topology	Fixed Frequency Forward Circuit
Operating Temperature	-25 to 50°C full load, derate 2.5% per °C to 70°C max.
Storage Temperature	-25°C to +85°C
Cooling	Convection
Temp Co-Efficient	0.03% per °C

### Output

Minimum Load	V1 = 20% of Multi-Output models only
Line Regulation	$\pm$ 0.5% typ.
Load Regulation	V1 = $\pm$ 1.0%   V2 = $\pm$ 2.0%   V3 = $\pm$ 3.0%
Ripple & Noise	$\pm$ 1% typ. pk-pk @ 20MHz
Overload Protection	Protected against short circuit
OverVoltage Protection	V1 Only Latching at >130% of nominal
Adjustment	$\pm$ 10% minimum (v1 & V2 Only)
Transient Response	voltage returns < 3mS following a 25% load change

### EMC & Safety

Emissions EN55022 "B", FCC Part 15 Subject J Class B

Safety Approvals UL/cUL 60950  
EN60950  
CE Mark (LVD)



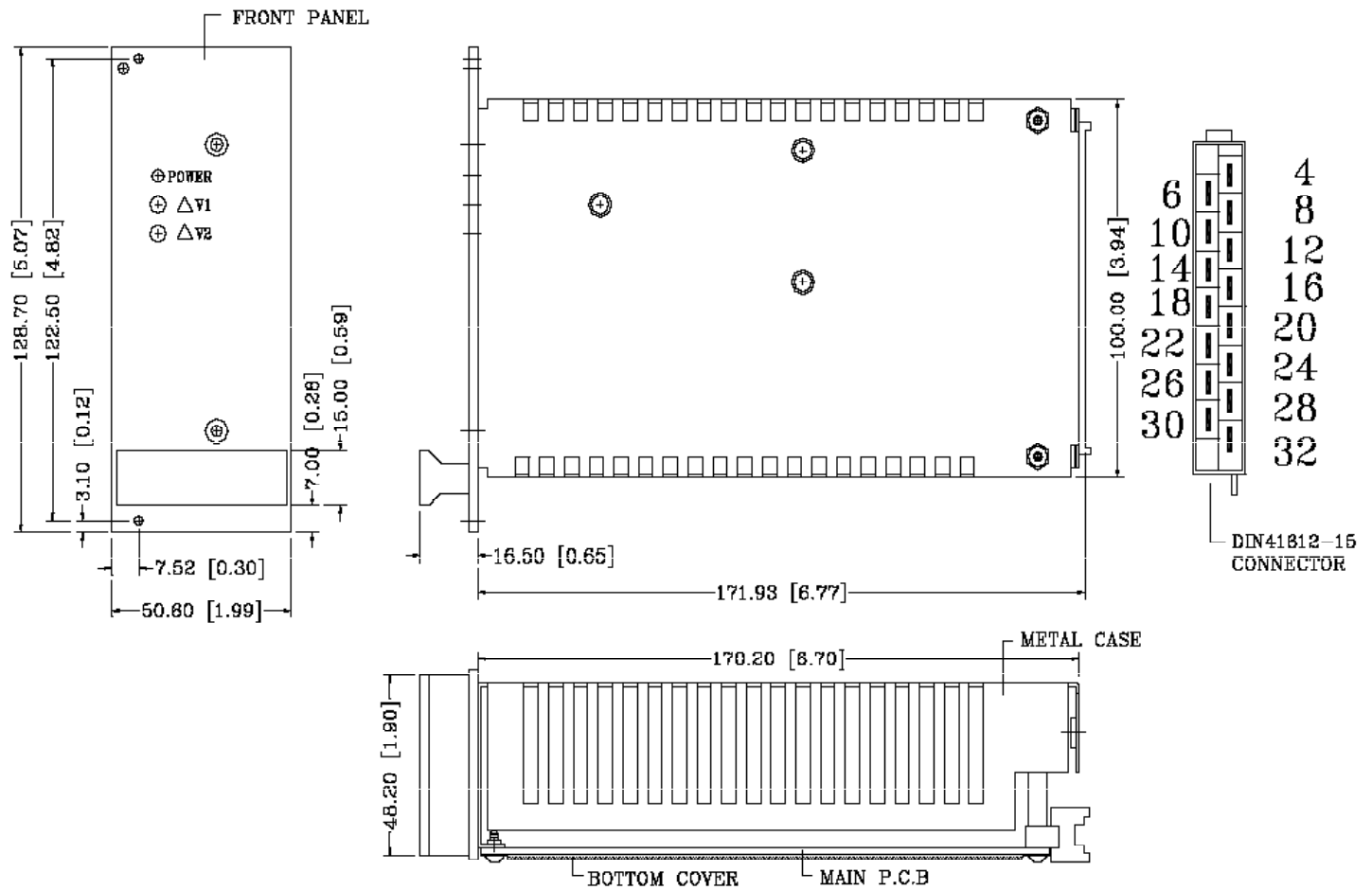
### Model Number

APS100PU-033250  
 APS100PU-050200  
 APS100PU-120080  
 APS100PU-150075  
 APS100PU-240042  
 APS100PU-280036  
 APS100PU-360028  
 APS100PU-480021  
 APS100PUD-050I  
 APS100PUD-120I  
 APS100PUD-050K  
 APS100PUD-150K  
 APS100PUD-033I  
 APS100PUD-033K  
 APS100PUT-050IE  
 APS100PUT-050KK  
 APS100PUT-050II  
 APS100PUT-033EI  
 APS100PUT-033KK  
 APS100PUT-033II

### Outputs

3.3V @ 25.0A  
 5.0V @ 20.0A  
 12.0V @ 8.0A  
 15.0V @ 7.5A  
 24.0V @ 4.2A  
 28.0V @ 3.6A  
 36.0V @ 2.8A  
 48.0V @ 2.1A  
 5.0V @ 8.0A  
 12.0V @ 4.2A  
 5.0V @ 8.0A  
 15.0V @ 3.4A  
 3.3V @ 11.0A  
 3.3V @ 11.0A  
 5.0V @ 7.0A  
 5.0V @ 7.0A  
 5.0V @ 7.0A  
 3.3V @ 11.0A  
 3.3V @ 10.0A  
 3.3V @ 10.0A  
 12.0V @ 5.0A  
 12.0V @ 4.2A  
 15.0V @ 4.0A  
 15.0V @ 3.4A  
 12.0V @ 5.0A  
 15.0V @ 4.0A  
 12.0V @ 5.0A  
 12.0V @ 5.0A  
 5.0V @ 1.0A  
 15.0V @ 0.4A  
 12.0V @ 0.5A  
 12.0V @ 1.0A  
 15.0V @ 4.0A  
 12.0V @ 0.8A

### Mechanical Details



### Notes

WEIGHT: 920g

#### PIN ASSIGNMENTS (P1):

**Input (All Models):** AC-L = 28 | AC-N = 30 | AC-G = 32  
**Signals (All Models):** Inhibit = 20 | Power Fail = 22  
**Single Outputs:** +V1 = 4 & 6 | +Sense = 8 | -V1 = 12 & 14 | -Sense = 10  
**Dual Output Models:** +V1 = 4 | -V1 = 6 | +V2 = 8 | -V2 = 10  
**Triple Output Models:** +V1 = 4 & 6 | -V1 = 8 & 10 | +V2 = 12 | -V2 = 14 | +V3 = 16 | -V3 = 18

CONNECTOR: DIN41612 at rear