TOTAL POWER INT'L

AUTO-RANGING AC INPUT AC-DC SINGLE OUTPUT 160 WATTS 19" COMPATIBLE EUROCARD SWITCHING POWER SUPPLIES HSU160 SERIES



FEATURES:

- **AUTO-RANGING AC INPUT**
- **19" COMPATIBLE EUROCARD FORMAT**
- **MEET THE SAFETY STANDARDS**
- **EMI MEET CISPR PUB.22 & FCC CLASS B**
- **CE MARKING COMPLIANCE**
- **14TE X 3U X160MM VMEbus STANDARD**

SPECIFICATION

INPUT SPECIFICATION

Input Voltage: Auto-ranging 115Vac(90-132Vac) and 230Vac(180-264Vac). Transient threshold typ. 150Vac.
Input Connector: DIN 41612 at rear.
Input Frequency: 47-63Hz.
Inrush Current: Typ. 40.0A @ 230Vac.
Input Current: Typ. 2.2A/115Vac & 1.1A/230Vac.
Dielectric Withstand: Meet IEC950.
EMI: Meet CISPR PUB.22 or FCC Class B.
Hold-up Time: Typ. 45mS @115Vac/50mS @230Vac.
Earth leakage: Typ. 0.45mA @230Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: Typ. 160 Watts.
Output Connector: DIN 41612 at rear.
Line Regulation: Typ. 0.1%.
Load Regulation: Main VO1 typ. ±0.5%.
Noise & Ripple: Typ. 1% peak to peak.
OVP: Built-in at main VO1 (crowbar).
Adjustability: Available at main output VO1.
Remote Sense: Installed in main VO1.
Overload Protection (OLP): Fully protected against output overload and short circuit. Consult the factory for OLP setting.

GENERAL SPECIFICATION

Efficiency: Typ. 80.0-85.0%.
Switching Frequency: Typ. 77K Hz.
Circuit Topology: Forward circuit.
Transient Response: Output voltage returns in less than 1.5mS following a 25% load change.
Safety Standard: IEC950/UL1950 Class I.
Power Density: 2.30 Watt / Cubic Inch.
Operating Temperature: 0 to +40°C at full load. Derate linearly to +70°C at half load.
Storage Temperature: -20 to +85°C.
Temperature Coefficient: Typ. 0.04%/°C.
Cooling: Free air convection.
Construction format: 14TE x 3U compatible Eurocard VMEbus standard.

Note: All measurements are at nominal input, full load, and +25°C unless otherwise specified.

OUTPUT VOLTAGE/CURRENT RATINGS CHART

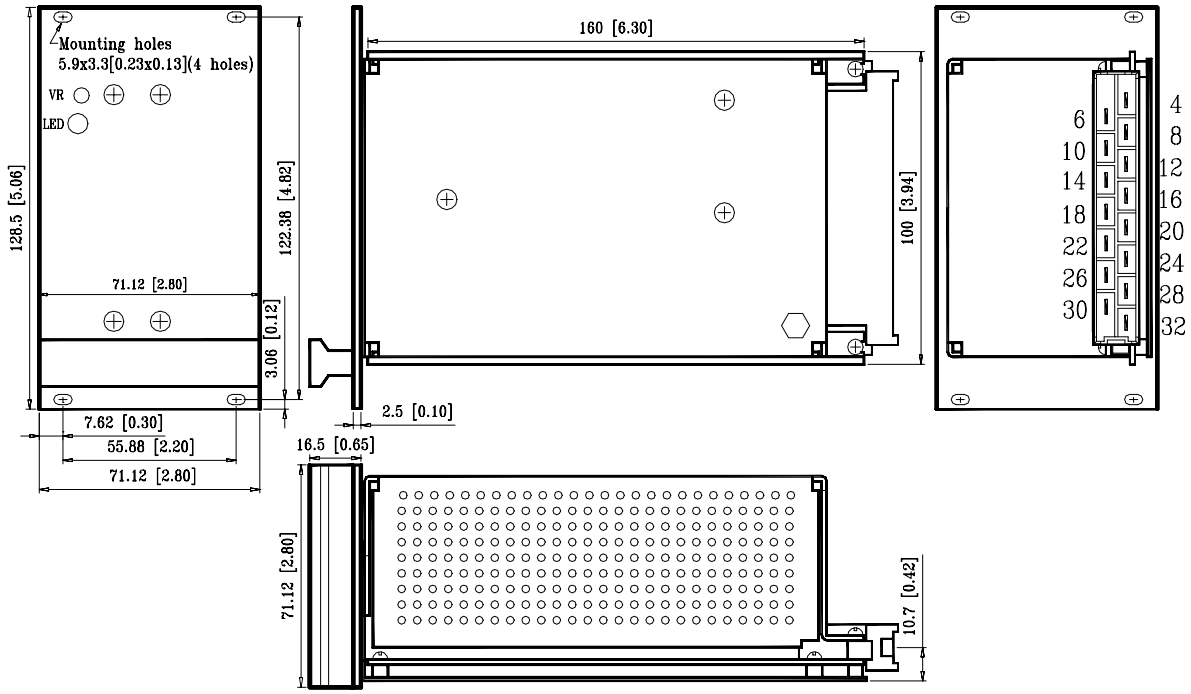
SINGLE OUTPUT

MODEL NO.	MAIN VO1 ★@#	
	Typ.	Volt.
HSU160-10	30.0A	**5.0V**
HSU160-11	12.5A	**12.0V**
HSU160-12	10.0A	**15.0V**
HSU160-13	6.2A	**24.0V**
HSU160-14	5.3A	**28.0V**
HSU160-15	3.2A	**48.0V**

Symbols: "★" OVP built-in. "@" Adjustable. "#" Remote Sense.

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 1081.0g (38.27 Oz)



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENTS

	AC INPUT			SINGLE OUTPUT			ASSORTED SIGNAL	
ASSIGNMENT	**AC LINE**	**AC NEUTRAL**	**AC-GROUND**	**+VO1**	**-VO1**	**NC**	+SENSE	-SENSE
CONNECTOR & PIN#	26,28	30	32	4,6	12,14	16,18,20,22,24	8	10

Mating connector: DIN61412-H15 Female