

TOTAL POWER INT'L

AUTO-RANGING AC INPUT AC-DC MULTIPLE OUTPUT

200 WATTS 19" COMPATIBLE DOUBLE EUROCARD

SWITCHING POWER SUPPLIES HSU200 SERIES



FEATURES:

- **AUTO-RANGING AC INPUT**
- **19" COMPATIBLE EUROCARD FORMAT**
- **MEET THE SAFETY STANDARDS**
- **EMI MEET CISPR PUB.22 & FCC CLASS A**
- **CE MARKING COMPLIANCE**
- **12HP X 6U X160MM DOUBLE EUROCARD**
- **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. 65.0A @ 230Vac.

Input Current: Typ. 3.3A/115Vac & 1.6A/230Vac.

Dielectric Withstand: Meet IEC950.

EMI: Meet CISPR PUB.22 or FCC Class A.

Hold-up Time: Typ. 26mS.

Power OK: Installed

Remote Inhibit: Installed.

Over Temp. Protection (OTP): Installed (Thermostate).

Power-On LED: Installed.

Earth leakage: Typ. 0.3 mA @230Vac.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.

Output Current: See Ratings Chart.

Output Wattage: Typ. 200 Watts.

Output Connector: DIN 41612 at rear.

Line Regulation: Typ. 0.2%.

Load Regulation: Main VO1 typ. $\pm 1.0\%$.
Aux. VO2 typ. $\pm 1-2.0\%$ (MA).
Aux. VO3 typ. $\pm 2-3.0\%$ (PR).
Aux. VO4 typ. $\pm 2-3.0\%$ (PR).

Noise & Ripple: Typ. 1% peak to peak.

OVP: Available at main VO1 & Aux.VO2.(latch).

Adjustability: Available at VO1 & VO2.

Remote Sense: Installed at main VO1.

Overload Protection (OLP): Fully protected against output overload and short circuit. Typ. 130% full load.
Consult the factory for OLP setting.

Output LED Indicators: Installed for all outputs.

GENERAL SPECIFICATION

Efficiency: Typ. 76-77.0%.

Switching Frequency: Typ. 100K 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: 1.30 Watt / Cubic Inch.

Operating Temperature: 0 to +50°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: 12HPx6U compatible double Eurocard VMEbus standard.

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

OUTPUT VOLTAGE/CURRENT RATINGS CHART

TRIPLE OUTPUT

MODEL NO.	MAIN VO1 ★@#		AUX. VO2 @▲		AUX. VO3 ●	
	Typ.	Volt.	Typ.	Volt.	Typ.	Volt.
HSU200-T050II (HSU200-32)	20.0A	5.0V	7.0A	12.0V	1.0A	12.0V
HSU200-T050MI (HSU200-33)	20.0A	5.0V	3.5A	24.0V	1.0A	12.0V
HSU200-T050DI	20.0A	5.0V	18.0A	3.3V	1.0A	12.0V
HSU200-T033EI	25.0A	3.3V	17.0A	5.0V	1.0A	12.0V

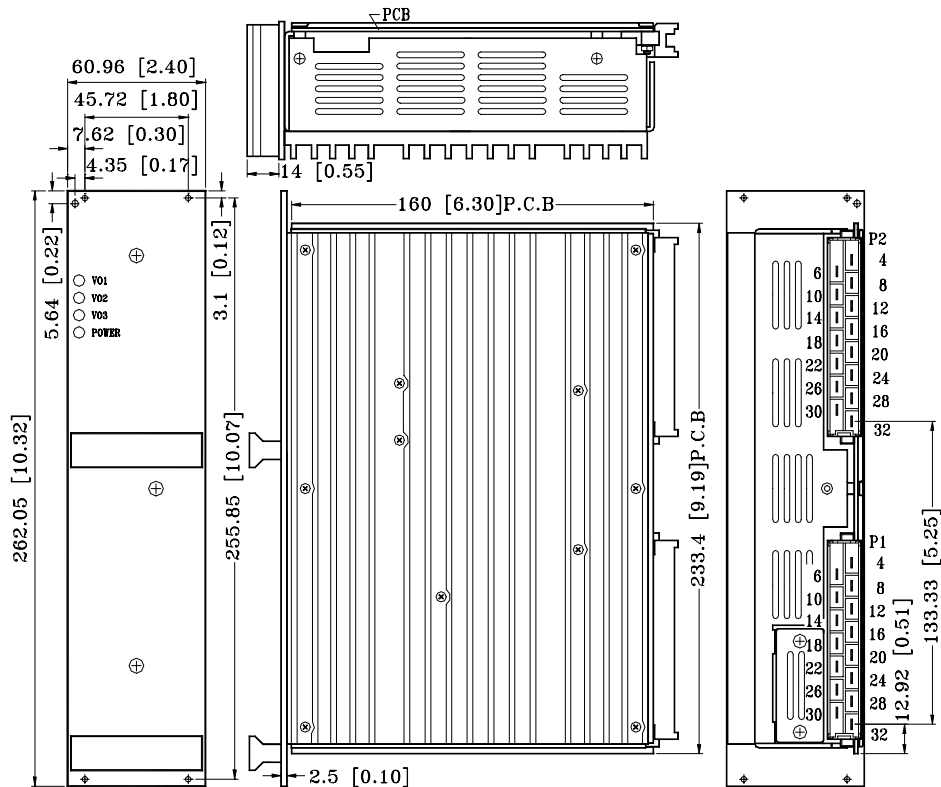
QUAD OUTPUT

MODEL NO.	MAIN VO1 ★@#		AUX. VO2 @▲		AUX. VO3 ●		AUX. VO4 ●	
	Typ.	Volt.	Typ.	Volt.	Typ.	Volt.	Typ.	Volt.
HSU200-Q050III (HSU200-40)	20.0A	+5.0V	6.0A	+12.0V	1.0A	-12.0V	1.0A	+12.0V
HSU200-Q050MII (HSU200-42)	20.0A	+5.0V	3.0A	+24.0V	1.0A	-12.0V	1.0A	+12.0V
HSU200-Q050DII	20.0A	+5.0V	15.0A	+3.3V	1.0A	-12.0V	1.0A	+12.0V
HSU200-Q033EII	25.0A	+3.3V	14.0A	+5.0V	1.0A	-12.0V	1.0A	+12.0V

Symbol: "★" OVP built-in. "@" Adjustable. "#" Remote sensing. "▲" Magnetic Amplifier. "●" Post Regulator.

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 2.43Kg (5.35lb.)



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENTS

	AC INPUT			TRIPLE/QUAD OUTPUT						ASSORTED SIGNAL				
ASSIGNMENT	AC-L	AC-N	AC-G	+VO1	+VO2	-VO3	+VO4	DC COM	NC	LOG. INH.	VO1 S(+)	VO1 S(-)	SYS Reset	AC Fail
HSU200-T	P1-28	P1-30	P1-32	P2-4,6,8,10	P2-28,30	P2-16	-	P2-18,20,22,24,26	P1-10,12,14,16,18,20,22,24,26	P1-8	P2-14	P2-32	P1-6	P1-4
HSU200-Q	P1-28	P1-30	P1-32	P2-4,6,8,10	P2-28,30	P2-16	P2-12	P2-18,20,22,24,26	P1-10,12,24,16,18,20,22,24,26	P1-8	P2-14	P2-32	P1-6	P1-4

Mating connector: DIN41612-H15 Female

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