

HiTRON

AUTO-RANGING AC INPUT AC-DC 19" COMPATIBLE DOUBLE EUROCARD MULTI-OUTPUT 200 WATTS SWITCHING MODE 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**
- **6U X 12HP X 160MM 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 IEC 60950-1.
EMI: Meet CISPR PUB. 22 & FCC Class A.
Hold-up Time: Typ. 26mS.
Power OK: Installed
Remote Inhibit: Installed.
Over Temp. Protection (OTP): Installed (Thermostat).
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.
Adjustability: Available at VO1 & VO2.
Remote Sense: Installed at main VO1.
Output LED Indicators: Installed for all outputs.
Overload Protection (OLP): Fully protected against output overload and short circuit. Typ. 130% full load. Consult the factory for special OLP setting.

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: IEC 60950-1/UL 60950-1 Class I.
Power Density: 1.30 Watts / Cubic Inch.
Operating Temperature: 0 to +50°C at full load. Derates 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: 12HP(TE) x 6U compatible double Eurocard VMEbus standard format.

Note: Due to requests in market and advances in technology, specifications subject to change without notification.



In application

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

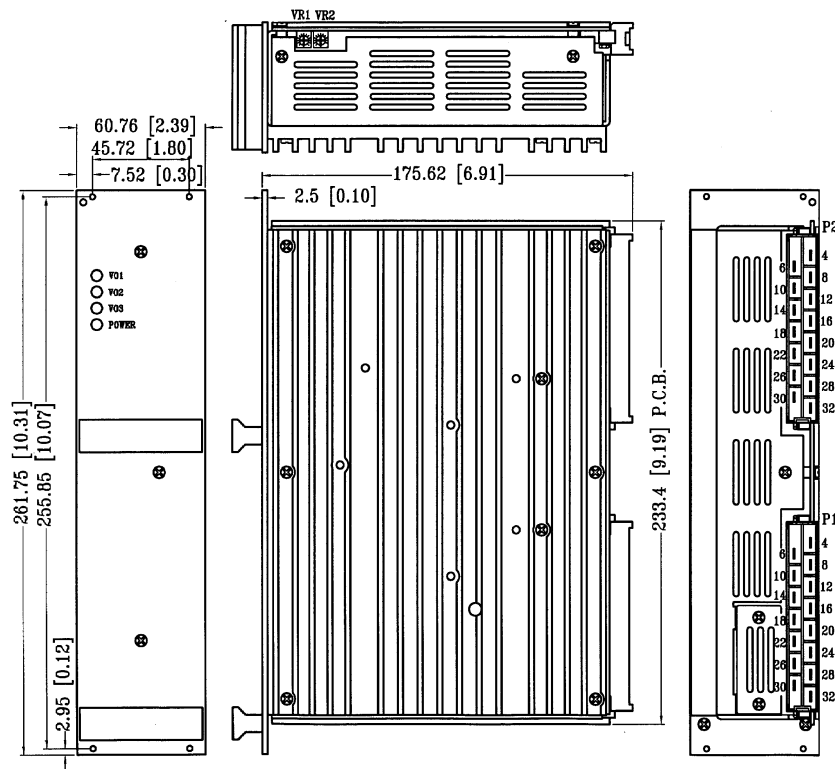
QUAD OUTPUT

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. "●" Installed with Post Regulator.

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 2.43kg (5.36 lb.)



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENTS

ASSIGNMENT	AC INPUT			TRIPLE/QUAD OUTPUT						ASSORTED SIGNAL				
	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