



DUAL SELECTABLE AC INPUT AC-DC 19" COMPATIBLE DOUBLE EUROCARD MULTI-OUTPUT 300 WATTS SWITCHING MODE POWER SUPPLIES HSU300 SERIES



FEATURES:

- **DUAL INPUT RANGE USER SELECTABLE**
- **DOUBLE OR TRIPLE CONVERTER ARCHITECTURE**
- **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: 115Vac/230Vac dual selectable.
Input Connector: DIN 41612.
Input Frequency: 47-63Hz
Inrush Current: Typ. 65A @230Vac.
Input Current: 1.2A@115Vac/0.7A@230Vac.
Dielectric Withstand: Meet IEC 60950-1.
EMI: Meet CISPR PUB. 22 & FCC Class A.
Power Fail/OK: Option.
Remote (Logic) Inhibit: Available.
Hold-up Time: Typ. 20mS.
Earth leakage: Typ. 0.3mA @230Vac.
Over Temperature Protection (OTP): Option.

OUTPUT SPECIFICATION

Output Voltage: See Ratings Chart.
Output Current: See Ratings Chart.
Output Wattage: Typ. 300 Watts.
Output Connector: DIN 41612 at rear.
Line Regulation: Typ. 0.4%.
Load Regulation: VO1 typ. $\pm 1.0\%$ (Main).
VO2 typ. $\pm 1.0\%$ (Main).
VO3 typ. $\pm 1.0\%$ (Main).
Noise & Ripple: Typ. 1% peak to peak.
OVP: Built-in at main VO1/VO2/VO3 (Latch).
Adjustability: Available at main output VO1, VO2, VO3.
Remote Sense: Installed at main VO1.
Overload Protection (OLP): Fully protected against output overload and short circuit. Consult factory for OLP setting.

GENERAL SPECIFICATION

Efficiency: Typ. 75-80.0%.	Operating Temperature: 0 to +50°C at full load. Derates linearly to +70°C at half load.
Switching Frequency: Typ. 100K Hz.	Storage Temperature: -20 to +85°C.
Circuit Topology: Forward circuit. Triple converter.	Temperature Coefficient: Typ. 0.04%/°C.
Transient Response: Typ. 3mS following a 25% load change.	Cooling: At least 60cfm forced air flow is required for full load.
Power Density: 1.90 Watts / Cubic Inch.	Construction format: 12HP(TE)x6Ux160mm
Safety Standard: IEC 60950-1/UL 60950-1 Class I.	19" compatible double Eurocard VMEbus standard.

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



In application

OUTPUT VOLTAGE / CURRENT RATINGS CHART

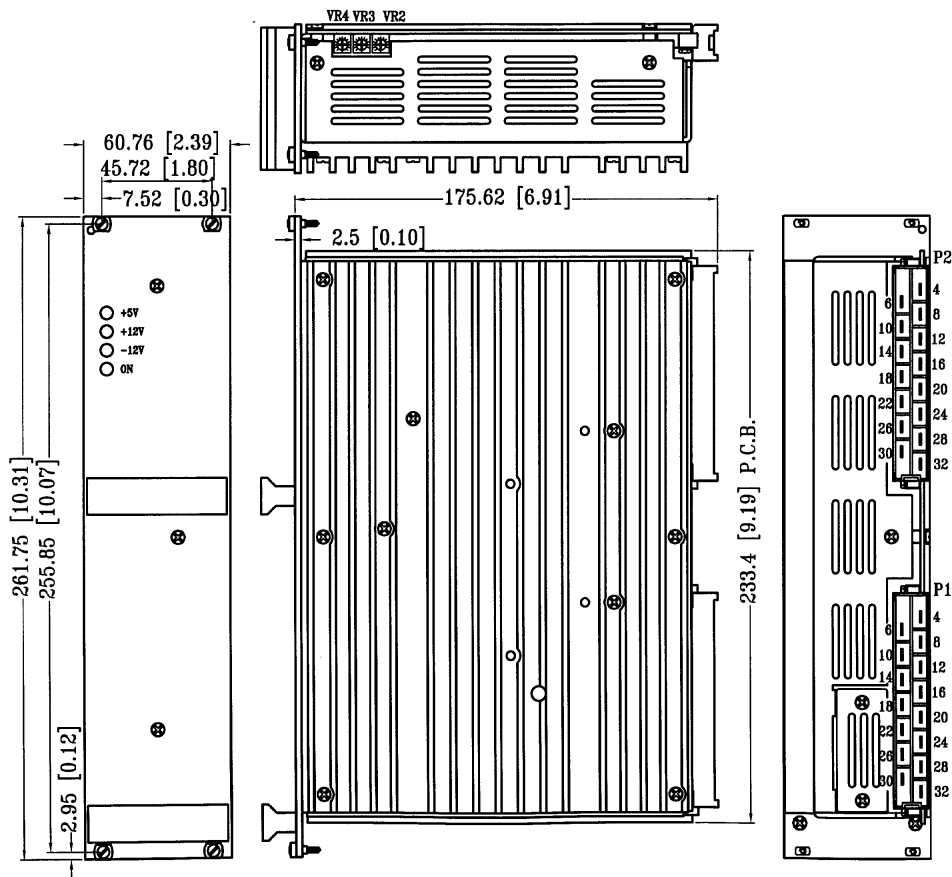
TRIPLE OUTPUT

MODEL NO.	MAIN VO1 ★@#			MAIN VO2 @★			MAIN VO3 @★		
	Typ.	Volt.	Max.	Typ.	Volt.	Max.	Typ.	Volt.	Max.
HSU300-T050H (HSU300-32)	36.0A	5.0V	40A	6.0A	12.0V	12A	6.0A	12.0V	12A
HSU300-T050KK	36.0A	5.0V	40A	5.0A	15.0V	10A	5.0A	15.0V	10A
HSU300-T050MI	36.0A	5.0V	40A	3.0A	24.0V	6A	6.0A	12.0V	12A
HSU300-T033H	50.0A	3.3V	55A	6.0A	12.0V	12A	6.0A	12.0V	12A
HSU300-T033EI	50.0A	3.3V	55A	15.0A	5.0V	--	6.0A	12.0V	12A
HSU300-T050DI	36.0A	5.0V	40A	18.0A	3.3V	--	6.0A	12.0V	12A

Symbol: "★" OVP built-in. "@" Adjustable. "#" Remote sensing.

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 2.75kg (6.06 lb.)



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENTS

ASSIGNMENT	AC INPUT			TRIPLE OUTPUT					ASSORTED SIGNAL			
	AC-L	AC-N	AC-G	+VO1	+VO2	-VO3	DC COM	NC	S(+)	S(-)	SYS Reset	AC Fail
CNTR & PIN#	P1-28	P1-30	P1-32	P2-4,6,8,10,12	P2-28,30	P2-16	P2-18,20,22,24,26	P1-8,10,12,24,16,18,20,22,24,26	P2-14	P2-32	P1-6	P1-4

Mating connector: DIN41612-H15 Female