

**UNIVERSAL AC INPUT HARMONIC CORRECTION AC-DC
19" COMPATIBLE EUROCARD 100 WATTS MULTIPLE OUTPUT
SWITCHING MODE POWER SUPPLIES HPU100 SERIES**



- **ACCOMMODATE UNIVERSAL AC SOURCES**
- **MEET IEC1000-3-2 HARMONIC CORRECTION**
- **MEET UNIVERSAL SAFETY STANDARDS**
- **19" COMPATIBLE EUROCARD FORMAT**
- **EMI MEET EN 55022 & FCC CLASS B**
- **CE MARKING COMPLIANCE**
- **3U X 10HP X 160MM VMEbus STANDARD**

INPUT SPECIFICATION

OUTPUT SPECIFICATION

GENERAL SPECIFICATION

Efficiency: Typ. 73-76%.
Switching Frequency: Fixed frequency 83K Hz.
Circuit Topology: Fixed frequency forward circuit.
Transient Response: Output voltage returns in less than 3mS following a 25% load change.
Safety Standard: IEC950/UL1950 Class I.
Power Density: 2.0 Watt / Cubic Inch.

Operating Temperature: 0 to +50°C full load. Derates from +50 to +70°C by derating 2%/°C.

Storage Temperature: -25 to +85°C.

Temperature Coefficient: Typ. 0.04% /°C.

Cooling: Forced air flow is recommended for Ta > +50°C full load operation.

Construction format: 10HP(TE) X3UX160mm VMEbus standard Eurocard format.

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.	
HPU100-S033250	25.0A	3.3V
HPU100-S050200 (HPU100-10)	20.0A	5.0V
HPU100-S120080	8.0A	12.0V
HPU100-S150075	7.5A	15.0V
HPU100-S240042 (HPU100-13)	4.2A	24.0V
HPU100-S280036	3.6A	28.0V
HPU100-S360028	2.8A	36.0V
HPU100-S480021	2.1A	48.0V

DUAL OUTPUT

MODEL NO.	MAIN VO1 ★@◇ Typ. Volt.	AUX. VO2 @▲◇ Typ. Volt.
HPU100-D050I (HPU100-20)	8.0A 5.0V	5.0A 12.0V
HPU100-D120I (HPU100-21)	4.2A 12.0V	4.2A 12.0V
HPU100-D050K	8.0A 5.0V	4.0A 15.0V
HPU100-D150K (HPU100-23)	3.4A 15.0V	3.4A 15.0V
HPU100-D033I	11.0A 3.3V	5.0A 12.0V
HPU100-D033K	11.0A 3.3V	4.0A 15.0V

TRIPLE OUTPUT

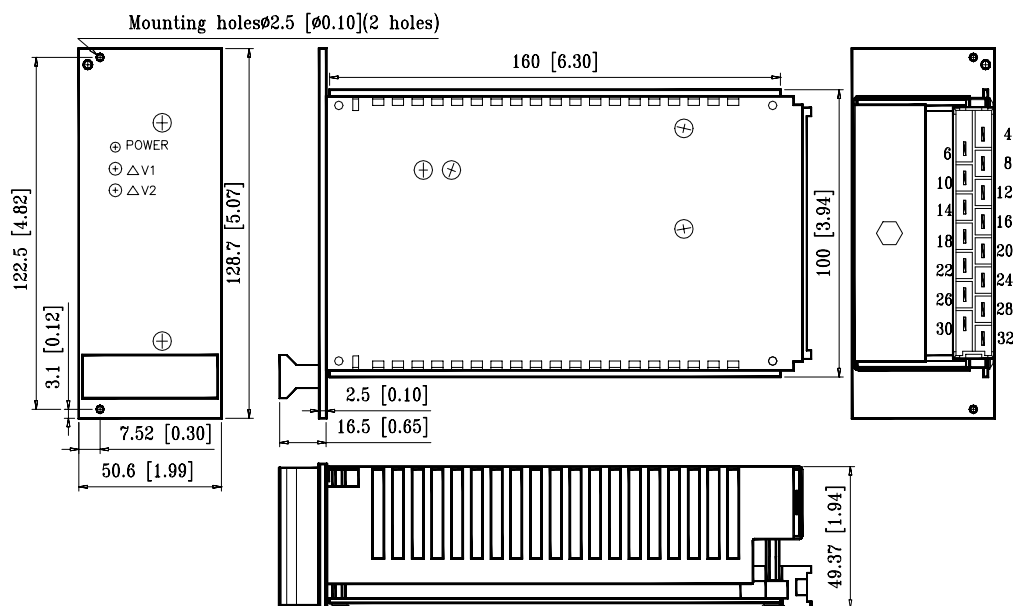
MODEL NO.	MAIN VO1 ★@◇ Typ. Volt.	AUX. VO2 @▲◇ Typ. Volt.	AUX. VO3 ●◇ Typ. Volt.
HPU100-T050IE	7.0A 5.0V	5.0A 12.0V	1.0A 5.0V
HPU100-T050KK (HPU100-31)	7.0A 5.0V	4.0A 15.0V	0.4A 15.0V
HPU100-T050II (HPU100-32)	7.0A 5.0V	5.0A 12.0V	0.5A 12.0V
HPU100-T033EI	11.0A 3.3V	9.0A 5.0V	1.0A 12.0V
HPU100-T033KK	10.0A 3.3V	4.0A 15.0V	0.6A 15.0V
HPU100-T033II	10.0A 3.3V	5.0A 12.0V	0.8A 12.0V

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

"◇" Floating (or isolated) output. "●" Installed with Post Regulator.

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 920.0g (32.5 Oz.)



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT

	AC INPUT			SINGLE OUTPUT					DUAL OUTPUT					TRIPLE OUTPUT							Status/ Control	
ASSIGNMENT	AC-L	AC-N	AC-G	+VO1	+S	-VO1	-S	NC	+VO1	-VO1	+VO2	-VO2	NC	+VO1	-VO1	+VO2	-VO2	+VO3	-VO3	NC	Log. Inh.	P.Ok
CNTR & Pin#	28	30	32	4,6	8	12,14	10	16,18,24,26	4	6	8	10	12,14,16,18,24,26	4,6	8,10	12	14	16	18	24,26	20	22

Mating connector: DIN 41612-H15 Female