In application



FEATURES:

- 202W HALF SIZE 3U X 4HP **EUROCARD PACKAGE**
- **36-72VDC NOMINAL 48VDC INPUT**

- **INTERNAL OR-ING DIODES FOR** N+1 REDUNDANCY
- **HOT-SWAPPABLE**
- THIRD-WIRE CURRENT SHARING
- EMI MEET EN 55022 / FCC CLASS A
- **CE MARKING COMPLIANCE**

OUTPUT SPECIFICATION

Storage Temperature: -40°C to +85°C.

Power Density: 7.40 Watts /Cubic Inch.

Temperature Coefficient: Typ. ±0.02% /°C.

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Cooling: At least 30CFM (800LFM) moving air is required

to achieve full rating power 200W in a confined area.

FULLY COMPLIANT WITH PICMG

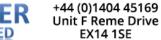
SPECIFICATION **INPUT SPECIFICATION**

Output Voltage: See Ratings Chart. Input Voltage: Typ. 36-72Vdc, nominal input 48Vdc. Output Current: See Ratings Chart. Output Wattage: Typ. 202Watt continuous. Input Connector: Positronic 47-pin PCIH47M400A1. Output Connector: Positronic 47-pin PCIH47M400A1. Line Regulation: Typ. 0.2%. Inrush Current: Typ. 20A at nominal input 48Vdc.(Active) Load Regulation: Typ. ±1-2.0%. Input Current: 5.6A at nominal input 48Vdc. Noise & Ripple: Typ. 1% peak to peak or 50mV, whichever is greater. Dielectric Withstand: Meet IEC 60950-1 regulation. **OVP:** Built-in at all outputs. Adjustability: Available at VO1.2&3. EMI: Meet CISPR EN 55022 Class A. Remote Sensing: Available at VO1,2&3. Hot-Swap: Available. **Remote ON/OFF:** Available at [INH#] & [EN#] pins. N+1 Redundancy: Installed with OR-ing diodes at all Power Fail Signal: Available at [FAL#] pin. outputs for N+1 redundancy. Current Sharing: Third-wire current sharing at VO1,2&3. Status LED: <Green> means valid input or output voltage. Power OK Signal: Available for all outputs. Over Current Protection (OCP): Installed at each rail. <Amber> means a critical fault. **Overload Protection (OLP):** Fully protected against output overload or short circuit. Thermal Protection (OTP): Installed NTC for thermal Typ. set at 105-130% max. load. sensor at [DEG#] pin. Consult the factory for special OLP setting. **GENERAL SPECIFICATION** Efficiency: Typical 77%. **Operating Temperature:** 0 to +50°C at full load with Switching Frequency: 305-330KHz. specified air flow. Derates linearly to 50% at +70°C.

Circuit Topology: Forward circuit. Transient Response: Peak transient less than 200mV and returns to within 1% less than 200uS for 25% load-change. Safety Standard: IEC 60950-1 Class I. Construction: Eurocard 3U x 4HP x 160mm half-size CompactPCI Front Panel with Extractor handle.

NOTE: (1)All measurement are at nominal input, full load and +25°C unless otherwise specifications (2)Due to requests in market and advances in technology, specifications subject to change without notification.





OUTPUT VOLTAGE / CURRENT RATINGS CHART

QUAD OUTPUT

MODEL NO.	MAIN +VO1 @★#≡⊙				AUX. +VO2 ▲ ★#≡⊙@				AUX. +VO3▲★#≡⊙@					AUXVO4 ▲⊙★=				
	Min.	Тур.	Volt.	Max.	Min	Тур.	Volt.	Max.	Min	Тур	Volt.	Max.	Pk.	Min.	Тур.	Volt.	Max.	Pk.
HDC202P-48B-490	2.0A	25A	+5V	30A	0A	10A	+3.3V	20A	0.3A	3A	+12V	5A	5.5A	0A	0.5A	-12V	1A	1.5A

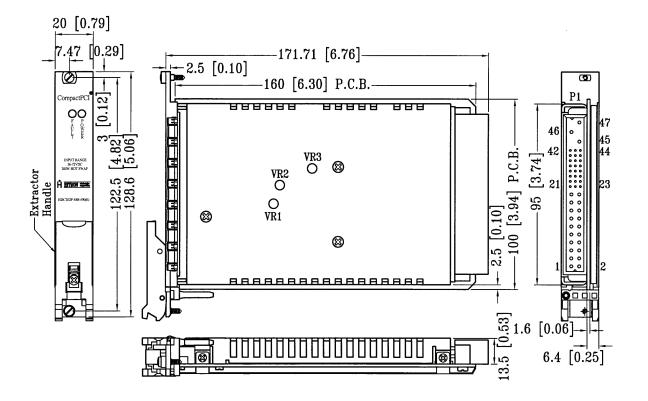
Symbol: "★" OVP built-in. "@" Adjustable. "#" Remote sensing. "≡" 3rd- wire Load Sharing. "=" Droop Current Sharing. "⊙" Installed with Or-ing diode. "▲" Magnetic Amplifier. "•" Installed with Post Regulator.

Remark: Peak load less than 60sec. with duty cycle <10%.

Max. load is the continuous operating load of each rail. But the max. load of each rail can't be drawn from all outputs at the same time.

MECHANICAL DIMENSIONS: MM [INCHES]

WEIGHT: 469.0g (16.5 Oz.)



INPUT & OUTPUT CONNECTORS PIN ASSIGNMENT

	П	DC NPUT		QUAD OUTPUT												STATUS/CONTROL			
ASSIGNMENT	-Vin	+Vin	G	VO1	S+	S-	C.S.	VO2	S+	C.S.	VO3	S+	C.S	VO4	DC COM	EN#	DEG#	INH#	FAL#
CNTR &PIN #	47	46	45	1,2, 3,4	30	34	35	13,14, 15,16, 17,18	33	41	20	36	44	21	5,6,7,8,9, 10,11,12, 19,24	27	38	39	42

Mating connector: PCIH47F400A1.