

FEATURES

HP3200 Series

3200W 3 Phase Power Supply

- Active Power Factor Correction
- Redundant operation
- 93% Efficiency
- True Three Phase Delta & Y 480Vac Input
- Single Wire Current Sharing
- I2C interface, PMBus Compatible
- Variable fan speed control
- UL, cUL, CB, CE and DEMKO



SPECIFICATION

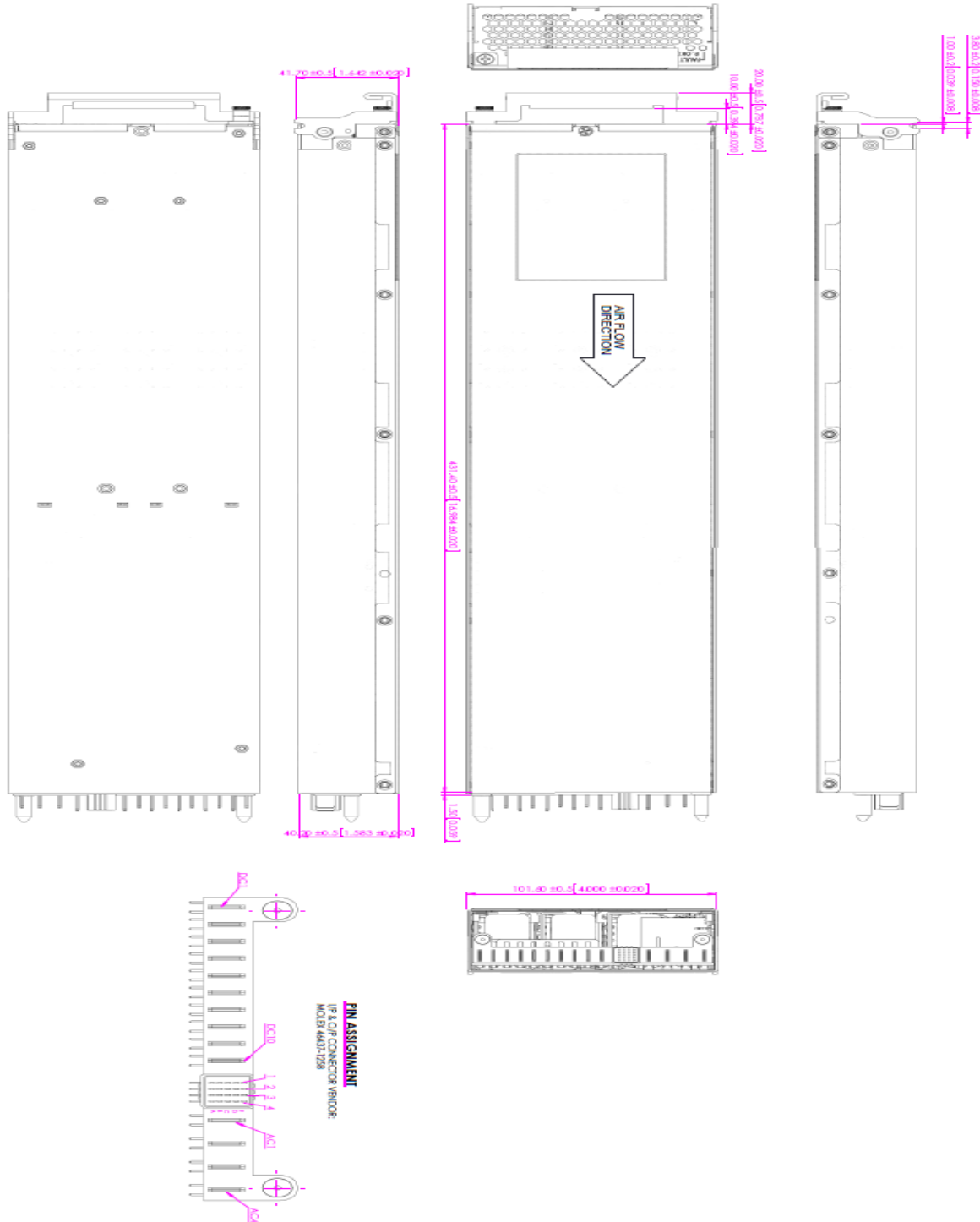
Model		HP3200-x121
Output	DC Output	12Vdc (3200 Watts with self-contained fan cooling)
	Ripple & Noise	1% Pk to Pk
	Line Regulation	±0.2%
	Load Regulation	±1% on both outputs
	Transient Response	2% Maximum deviation; returns to initial condition in 1 msec max.
	Long Term Stability	0.01% after 20 minute warm-up
	Hold-Up Time	12msec minimum
	OVP	115% to 135% on both outputs
Input	Input Range	180-523VAC 3 Phase
	Frequency	47-63Hz
	EMI filter	EN55022 Class A, FCC
	Inrush Current	≤64A@480
	Input Current	30A @ 305VAC
	Isolation (Input to Output)	4242 VDC
	Efficiency	93% Max.
	Active PFC	0.99
	Switching Frequency	130KHz
	Leakage	≤3.5mA
	Protections	Short-circuit
Overload		Constant current with delayed latching method on the primary output. The 12V standby utilizes the hiccup method. The constant current method allows for a 5-second delay before the power supply shuts down if the output current rating exceeds 110% to 130% of maximum rated output current. The input must be recycled manually or digitally reset.
Over Temperature		The power supply will shut down if temperature is greater than 100°C (internal temperature). The power supply is self-recovering once the internal temperature falls below 71°C
Environment	Humidity	Up to 95% non-condensing
	Temperature Coef.	±0.01% / °C
	Operating Temperature	0 to ±50°C continuous duty, full rating. Derate linearly to 50% of full rating at ±71°C.

Safety	UR	UL60950-1 Second Edition
	cUR	cUL60950-1 Second Edition
	DEMKO	EN60950-1 Second Edition
	CE	
	CB	IEC 60960
Features	FET Isolation	Internal FET isolation provided for N+1 redundant operation.
	Current Sharing	Outputs will current share within 5% when interconnected by a single wire
	Digital Voltage Adjustment	The voltage adjustment allows +/- 10% remote adjustment
	PS On	The secondary outputs are enable only upon mating a shorter enable pin to output common on the customers backplane.
	AC Fail	A TTL low signal provides a 4ms warning prior to DC outputs dropping out of regulation.
	Fault	A TTL high logic signal provides warning of output voltage below 90% of nominal, fan fault or over temperature.
	Power Okay	A TTL high logic signal is provided when the input and output voltages are within normal operating conditions.
	PS Present	A pin on the power supply is used to identify that the power supply has been installed into the customers backplane.
	Inhibit	A TTL low logic signal sent to inhibit the main output. Upon release of the signal, output are restored.
	I2C	Monitors temperature, output voltage, input voltage, input current, and output current; control Fan speed, Fan LED and connects to a serial NVRAM which is programmed with serial number. PMBUS software allows monitoring of overall operation of power supply.
Other	Dimensions	16.98" L*3.9" W * 1.58"H (431.3mm * 99.0mm * 40.2mm)
	Weight	6.7 lbs.
	RoHS	Complies with EU Directive 2011/65/EU for the restriction of certain hazardous substances

Model No. / OUTPUT VOLTAGE / CURRENT RATINGS CHART

Model No.	O/P Voltage (Vdc)	Minimum	Maximum
HP3200-X121	12V	0A	266.6A
	12VSB	0A	2.0A

Mechanical Specifications



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