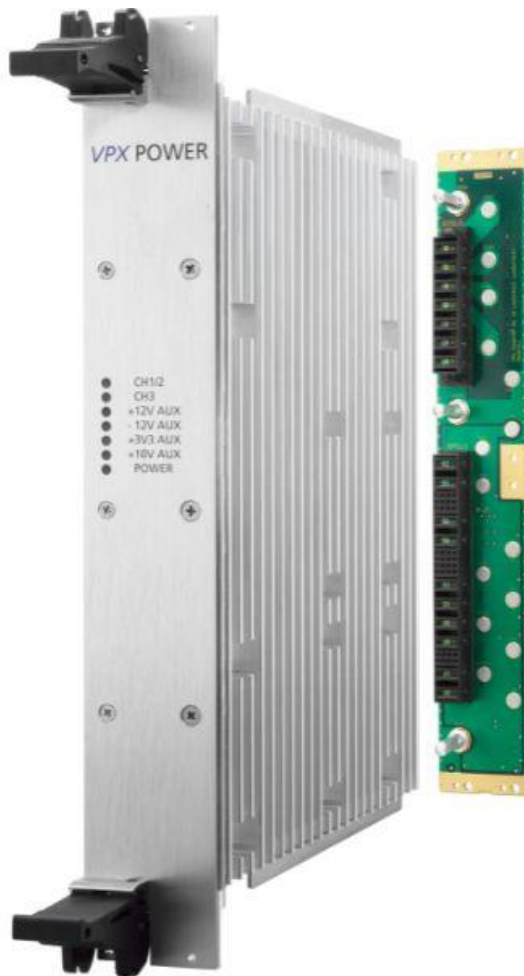




VPX 6U/AC Power Supply 850W

- 850W air cooled VPX power supply,
- Input: 85-264 VAC, 5.2 – 7.3A / 37A (normal / peak inrush current)
- 5 DC Outputs: +12V[VS1]/30A, 5V [VS2]/40A, 3.3V[VS3]/12A, 12V_AUX/1A, -12V_AUX/1A
- Efficiency up to 89%
- Forced air cooled, at least 800LFM moving air
- Operation temperature -40°C ... 85°C (50% derated)

General Specification:

Operating temperature:	-40 °C to +85 °C with specified airflow but derates linearly after +55°C
Storage temperature:	-40 °C to +90 °C
Cooling	min 800 LFM moving air required to achieve full power in confined area
Circuit Topology:	ZVS Half-Bridge circuit
LED indication for:	Power OK signal, DC OK signal
Construction:	Eurocard 6U 10HP 160mm; VPX format, Front Panel with Extractor handle
Vibration	Six degree-of-freedom Random 10Hz-150Hz, 5G
PM Bus:	Built In.
Input Specification	
Input voltages:	Typ. 100-264V ac.
Input frequency:	47-63Hz.
Input connector	Tyco 6450843-6
Output specification	
	1% Vnom
Output Power:	850 Watt at 230VAC /620 Watt at 115VAC
Output connector	Tyco 6450849-6.
Line regulation	Typ. 0.5%
Load regulation:	VO1/2/3 typ± 2%, VO4/5 typ± 5%
Noise & Ripple:	Typ.1.5% peak-peak.
Adjustability	Available for VO1/2/3
Current sharing:	Active current sharing at VO1, 2 & 3.
Remote ON/OFF:	Available
Power fail signal:	Available
Over Voltage (OVP):	Built in at all output
Over current (OCP):	Built in
Thermal protection (OTP)	Installed NTC and thermostat
Overload protection (OLP)	Typ. 110-150% max load (consult factory for special OLP setting)

Form Factor	6U
Pitch	1"
Weight	~1.5 kg
Storage Temperature	-45°C to +85°C
Operating Temperature	-40°C to +70°C
Input to Output Insulation	4000 VAC
Input Voltage	85–264 VAC (47–63 Hz)
Input Current	5.2–7.3 A (nominal)
Inrush Current	37 A peak
Maximum Output Power (85–264 VAC)	850 W (max), 750 W (typical continuous)
Max. Currents 3.3 V / 12 V / 5 V	12 A / 30 A / 40 A
Efficiency	up to 89 %
Auxiliary ±12 V AUX / 3.3 V AUX Output	+12 V / 1 A, -12 V / 1 A, 3.3 V / 6 A
Connector	Tyco 6450849-7
Standard	VITA 62 compliant

Output voltage/current rating chart

PENTAD OUTPUT

Model Nr.	Voltage	Voltage	Minimum	Typ
D575.01020	Vo1	+12V DC	0A/1.0A	30A/38A
	Vo2	+5V DC	0A/1.0A	40A/60A
	Vo3	+3.3V DC	0A/1.0A	12A/20A
	Vo4	+12V DC	0A/0.1A	1A/1.5A
	Vo5	-12V DC	0A/0.1A	1A/1.5A

Remark: 1. For 10HP version, the Max. Output power is ≤620W at 100-180Vac and 850 Watt at 180-264Vac.

2. Minimum load is only required when PSUs do run in parallel

PIN ASSIGNMENTS:

P0			P1																		
P0-P7	P0-P4	P0-P1	P1	P2	D1	D2	P3	P4	P5	P6	D3	D4	D5	D6	P7	P8	D7	D8	D9	P9	P10
L	N	G	COM	VO3 3.3V Aux.	PS_RNT	EN	COM	COM	VO2 P03 +5V	VO2 P03 +5V	N/A	A0	SDA	SYS RST	COM	COM	COM	DEG.	I/P_ok	VO1 P02 +12V	VO1 P01 +12V
					C1	C2					C3	C4	C5	C6			C7	C8	C9		
					V3 +S	INH					N/A	A1	SCL	VO5 -12V			V2 CS	V2 -S	V2 +S		
					B1	B2					B3	B4	B5	B6			B7	B8	B9		
					V3 -S	FAL					VO4 +12V	A2	SDA	N/A			N/A	N/A	N/A		
					A1	A2					A3	A4	A5	A6			A7	A8	A9		
					V3 CS	N/A					PSU_R NT	Alert	SCL	N/A			V1 CS	V1 -S	V1 +S		

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