

VIPAC Power System

50-900 WATTS - AC/DC SINGLE & MULTIPLE OUTPUT CONFIGURABLE

FEATURES

- AC input 115/230VAC Autoranging 50-400Hz
- Protective features: inrush current limiting, input transient protection, EMI filtering, auto restart
- Pre-assembled and tested front end FARM module
- Microprocessor control with RS232 style communication port
- Configurable single or multiple outputs
- Choice of output terminations

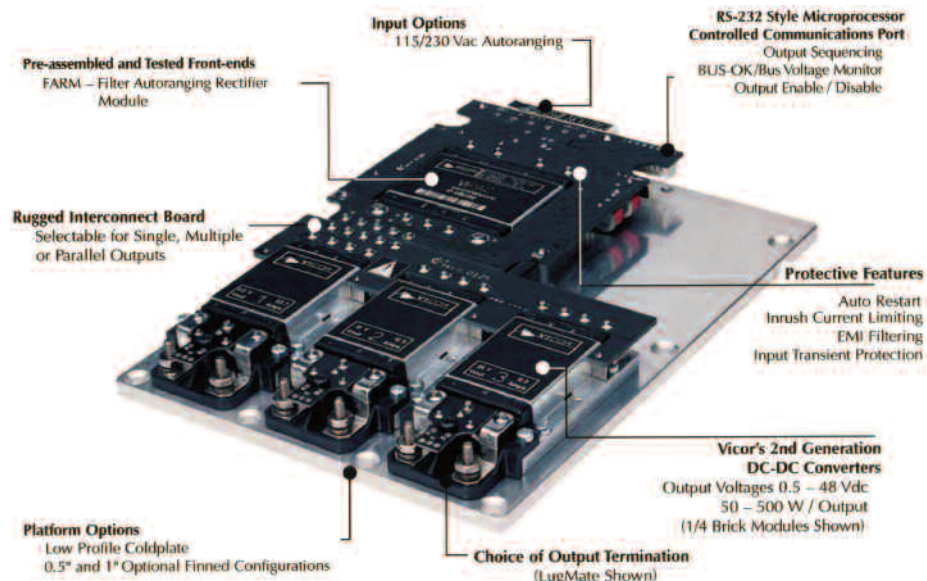


115/230VAC AUTORANGING INPUT	
Operating input voltage	90-132VAC (Doubler mode) 180-264VAC (Bridge mode)
Input under-voltage	Shut Down 90VAC (No damage)
AC line frequency	47-63Hz (C-Grade) 47-440Hz (T-Grade)
Power factor	0.60, Nominal Line
Inrush current	60A, 264VAC peak line, cold start
Input surge withstand (Verification pending)	EN61000-4-5, 2KV-50is common mode, 1KV-50is differential mode
Hold-up capacitance	1800mF (typ), 3300mF(max), refer to VCAD calculator
Leakage current	3.2mA at 264VAC input
EMI	Additional filter components are required for compliance to EN55022 and FCC Class B conducted emissions requirements.

ENVIRONMENTAL	
Dielectric withstand (Input to Chassis)	1500VRMS
Operating temperature	-20°C to +65°C (C-Grade) -40°C to +65° (T-Grade) Max. chassis temperature, 95°C
Shock	50g, GR 6063, NEBS, Zone4 (pending)

Humidity	5-95%, Non-condensing
Safety approvals	cTUVus (CSA-C22.2 NO. 60950-00, UL1950 3rd Ed. 2000, EN60950:2000), CE Marked (LVD)



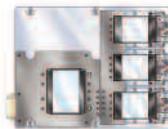
OUTPUT SPECIFICATIONS - GENERAL	
Output voltage set-point	+/-1% Vout nom
Line regulation	+/-0.02% (typ), +/-0.2% (max) Low line to high line; full load
Temperature regulation	+/-0.002%/°C (typ), +/-0.005%/°C(max) Over operating temp. range
Over-temperature Shutdown	115°C
Power sharing accuracy	+/-2% (typ), +/-5% (max) 10% to 100% of full load
Programming range	10-110% of nominal output voltage. (For timing behavior 90% of Vout nom, a minimum load of 10% of maximum rated power may be required)
Current limit	115% Iout max. Output voltage 95% of nominal
Short circuit current	115% Iout max. Output voltage <250mV


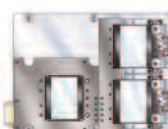




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DC-DC PCB MOUNTED CONVERTERS & POWER MODULES

CONFIGURATION		2 V	3.3 V	5 V	12 V	15 V	24 V	28 V	36 V	48 V	TOTAL
		MAX. MODULE OUTPUT POWER (W)*									
VP-G 	# Outputs Single	50	75	100	150	150	150	150	150	150	150
	Single II	100	150	200	300	300	300	300	300	300	300
VP-D 	Dual	50	75	100	150	150	150	150	150	150	300
	Dual II	100	150	200	300	300	300	300	300	300	450
VP-A 	Triple	50	75	100	150	150	150	150	150	150	450
		50	75	100	150	150	150	150	150	150	450
	Triple	50	75	100	150	150	150	150	150	150	450
		50	75	100	150	150	150	150	150	150	450

		MAX. MODULE OUTPUT POWER (W)*									
		MINI									
VP-E 	Single	100	150	200	250	250	250	250	250	250	250
	Single II	200	300	400	500	500	500	500	500	500	500
VP-B 	Dual	100	100	150	150	200	200	250	250	250	500
	Dual	100	150	200	250	250	250	250	250	250	500

		MAX. MODULE OUTPUT POWER (W)*									
		MAXI									
VP-F 	Single	160	264	400	500	500	500	500	500	500	500
VP-C 	Single II	320	528	800	900	900	900	900	900	900	900
	Dual	160	160	264	264	400	400	500	500	500	900
	Dual	500	500	500	500	500	500	500	500	500	900

*Model numbers and total output power capability are application specific.
Component tolerances may effect total output power ($\pm 5\%$) in parallel (//) configurations.
See Powerbox Sales for further information.