

# VIPAC Power System

50-1000W AC-DC SINGLE DUAL TRIPLE

## 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	1800m F (typ), 3300m F(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.

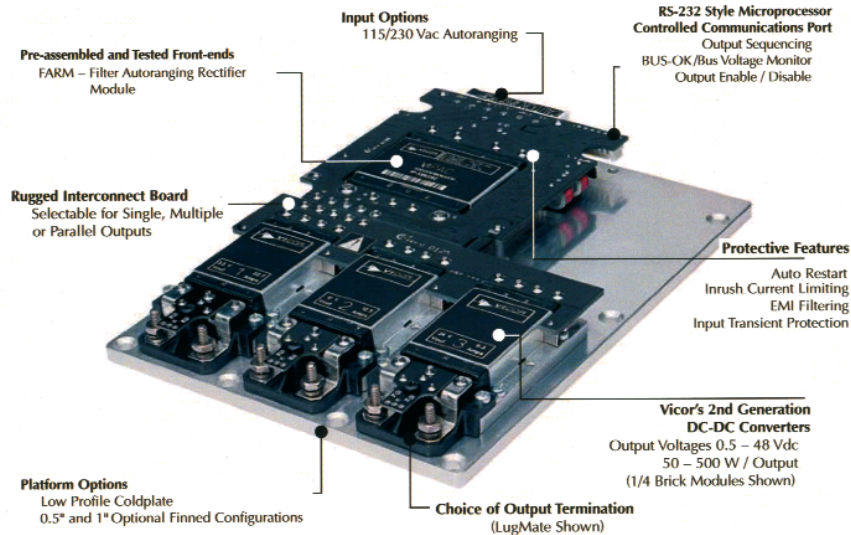
### ENVIRONMENTAL

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

Humidity	5-95%, Non-condensing
Safety approvals	cTÜVus (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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CONFIGURATION			2 V	3.3 V	5 V	12 V	15 V	24 V	28 V	48 V	TOTAL		
			MICRO			MAXIMUM OUTPUT POWER (W)*							
VP/VC-G		# Outputs	Single	50	75	100	150	150	150	150	150	150	
				100	150	200	300	300	300	300	300	300	300
VP/VC-D		Dual	50	75	100	150	150	150	150	150	150	300	
			100	150	200	300	300	300	300	300	300	450	
			50	75	100	150	150	150	150	150	150	150	450
VP/VC-A		Triple	50	75	100	150	150	150	150	150	150	450	
			100	150	200	300	300	300	300	300	300	450	
			50	75	100	150	150	150	150	150	150	150	450
			50	75	100	150	150	150	150	150	150	150	450
			MINI			MAXIMUM OUTPUT POWER (W)*							
VP/VC-E		Single	100	150	200	250	250	250	250	250	250	250	
			200	300	400	500	500	500	500	500	500	500	500
VP/VC-B		Dual	100	100	150	150	200	200	250	250	250	500	
			100	150	200	250	250	250	250	250	250	500	
			100	150	200	250	250	250	250	250	250	250	500
			MAXI			MAXIMUM OUTPUT POWER (W)*							
VP/VC-F		Single	160	264	400	500	500	500	500	500	500	500	
VP/VC-C		Single II	320	528	800	900	900	900	900	900	900	900	
			160	160	264	264	400	400	500	500	500	900	
			500	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 (±5%) in parallel (//) configurations.  
 See Powerbox Sales for further information.