



The CPCI AC, AC-DC CompactPCI® compliant with PICMG 2.11 standard, incorporates input and output protections and filtering, signalling features, required in severe environments for industrial, defense, avionic applications. The PSU provides significant advantages, high reliability thanks to the integration of Vicor Corp. modules, high efficiency, low ripple and noise levels, input-to-output isolation, soft start, MOFSET based active very low inrush limitation circuit, overtemperature protection, input over/undervoltage lockout. The input is protected against surges and transients and EMI filtered. The outputs are continuously short-circuit proof. LEDs in front panel indicates the status of the psu.

General features

- Input : 85-264Vac or 100-350Vdc, PFC EN61000-3-2
- 3U x 8TE x 160mm, Positronic 47 points connector
- 4 Outputs 3,3V/50A, 5V/40A, 12V/1A (or 5A), -12V/1A
- Maximum Power 325W
- Current sharing and N+1 Redundancy
- Safety : EN 60950
- Environmental : MIL STD810E (shocks and vibrations)
- Operating temperature : -20°C +70°C, -40°C as an option

Signals

- Remote isolated ON/OFF
- Output voltage adjustment
- Powerfail and LED
- Remote senses
- Powergood

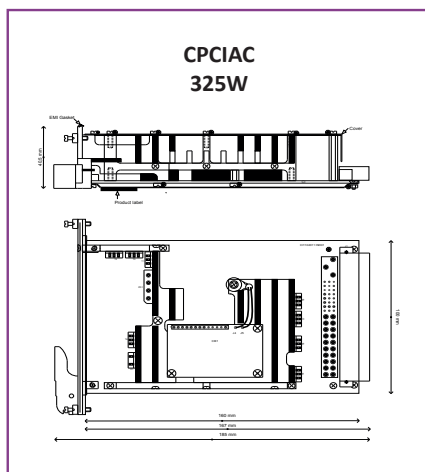
Options

- -M : Meet MIL-STD 461E CE102, MIL-STD 1399-300A, MIL-STD810E shock & vibrations. Laboratory certification.
- -T : Components comply with -40°C operation
- -V : Components & PCB are covered with an acrylic coating
- -Y : Include a common mode surge protection 61000-4-5 Level 3 2KV based on gas discharger and VDR to meet criteria A

Benefits

- High power density
- Hot swap thanks to active Inrush limitation circuit
- Many options available
- Redundant operation N+1

Full datasheet on www.powersystemtechnology.com



CPCIAC CONFIGURATOR

CPCIAC -Vout - Option

1	M
2	T
	V
	Y

1 : 3,3V/50A, 5V/40A, 12V/1A, -12V/1A
 2 : 3,3V/50A, 5V/40A, 12V/5A, -12V/1A consult factory



Conformal coated PSU is a benefit for industrial environment.



Ruggedization and extended temperature grade are key features for defense applications.



Small size make it suitable to be mounted on the power amplifier cabinet



Ruggedization, conformal coating, -40°C to 71°C operation, are key functionalities for avionic applications.