

# PFC MegaPAC MI

## New Rugged COTS MegaPAC



### PFC MegaPAC MI Features

- ▶ **Input voltage**  
85 – 264 Vac universal, 47 – 500 Hz  
100 – 380 Vdc
- ▶ **Up to 32 configurable outputs**
- ▶ **Vibration:**  
MIL-STD-810 minimum integrity
- ▶ **Shock:**  
MIL-STD-810 40 G functional shock
- ▶ **Conducted emissions:**  
EN55022 Class A  
Class B configuration dependent
- ▶ **Operating temperature:**  
-20°C to 45°C @ full power  
-40°C to +45°C @ full power (optional)
- ▶ **Maximum output power:**  
1200 W @ 115 Vac  
2400 W @ 230 Vac
- ▶ **Power factor:** >0.95 @ 115 Vac  
>0.92 @ 230 Vac
- ▶ **Fan cooled**
- ▶ **Meets MIL-STD-704F and MIL-STD-1399C for transients and overvoltage**
- ▶ **Optional conformal coating**

### General Specifications

Size	12.3 x 6.0 x 3.4 in. (312,4 x 152,4 x 86,4 mm)
Modules complement	VI-200, VI-J00, VI-RAM, Maxi, BatMods, FlexPAC
Harmonic distortion	EN61000-3-2
Voltage fluctuations and flicker	EN61000-3-3
ESD susceptibility	EN61000-4-2, Level 4, Performance Criteria A
Radiated susceptibility	EN61000-4-3, Level 4, Performance Criteria A
EFT/Burst	EN61000-4-4, Level 4, Performance Criteria B
Surge immunity	EN61000-4-5, Installation Class 3, Performance Criteria B
RF common mode	EN61000-4-6, Performance Criteria A
Voltage dips and interrupts	EN61000-4-11, Performance Criteria B
Input current	15 A rms max.
Input frequency	47 – 500 Hz
Inrush current	15 A pk @ 115 Vac; 25 A pk @ 230 Vac
Dielectric withstand	Primary to Chassis GND = 2,121 Vdc; Primary to Secondary = 4,242 Vdc; Secondary to Chassis GND = 750Vdc
Output ripple and noise	
Standard	2% or 100 mV whichever is greater
"V" Option (max.)	50 mV for $V_{out} \leq 15$ V; 150 mV for $15$ V $< V_{out} \leq 24$ V; 1% or less $V_{out} > 24$ V
Load regulation VI-2/VI-J	$\pm 0.2\%$ ; 10% to full load $\pm 0.5\%$ ; No load to 10% load
Load regulation Maxi	$\pm 0.1\%$ of $V_{nom}$ ; No load to full load
Efficiency	>80% @ full load nominal
Weight	13 lbs. (5.9 kg) max.
Safety agency approvals	UL, cTÜVus, CE Marked and CB report
Warranty	2 years limited warranty

- ✓ *Field configurable for maximum flexibility.*
- ✓ *Compatible with current ConverterPAC products and Current Share Boards.*