



FlatPAC-EN MI

New Rugged COTS FlatPAC-EN



FlatPAC-EN MI Features

- ▶ **Input voltage**
90 – 132 / 180 – 264, 47 – 63 Hz
250 – 380 Vdc
- ▶ **Up to 4 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 70°C ambient
(see derating curves)
-20°C to 90°C case temp
-40°C operation optional
- ▶ **Maximum output power:**
500 W @ 115 / 230 Vac
425 W for EN compliance
- ▶ **Power factor:** >0.70
- ▶ **Conduction/convection cooled**
- ▶ **Optional conformal coating**

General Specifications

Size	9.2 x 5.0 x 1.4 in. (233,7 x 127 x 35,6 mm)
Modules complement	VI-200, VI-J00, Maxi, Mini, Micro
Harmonic distortion	EN61000-3-2 / A14, 425 W @ 230 Vac
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 (Configuration dependent)
RF common mode	EN61000-4-6, Performance Criteria A
Voltage dips and interrupts	EN61000-4-11, Performance Criteria B
Input current	9 A rms max.
Input frequency	47 – 500 Hz
Inrush current	14 A pk
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
Load regulation VI-2 / VI-J	± 0.2%; 10% to full load ± 0.5%; No load to 10% load
Load regulation Maxi, Mini, Micro	± 0.1% of Vnom; No load to full load
Efficiency	>70% typical
Weight	3.4 lbs. (1.5 kg) max.
Safety agency approvals	UL, cTÜVus, CE Marked and CB report
Warranty	2 years limited warranty