

TRICON 230 VAC POWER

Product Data Sheet

8312

230 VAC Power Module

INPUT	OUTPUT	POWER	FREQUENCY
230 VAC	6.5 VDC	175 W	47-63 Hz

Triconex 8312 is a 230 VAC Power Module for Tricon Main, Expansion, and RXM chassis. Two modules normally share the chassis load, while either module can support the controller at full load and rated temperature.

01

VERIFIED TECHNICAL DATA

Product type	230 VAC Power Module
Nominal input	230 VAC, -15% to +10%
Extended input range	185-285 VAC
Input frequency	47-63 Hz
Input power required	240 W minimum per source
Input fuse	2.5 A time-delay
Output voltage	6.5 VDC +/-1%
Output current	27 A minimum at 60 C ambient

02

ADDITIONAL VERIFIED DATA

Output power	175 W at 60 C ambient
Input-output isolation	1000 VAC or 1500 VDC
Slot keying	Power Module slot with model-specific voltage key
Source	Tricon v9-v10 Planning and Installation Guide

03

ENGINEERING NOTES

- Connect the 230 VAC line, neutral and protective earth only to the documented Power Module terminals.
- Verify the installed slot key is correct for model 8312 before insertion.
- Use the required terminal covers and do not use the Power Module alarm contacts in hazardous locations.
- Do not use model 8312 where the Tricon system must meet ATEX hazardous-location requirements.
- Verify PASS, FAIL, ALARM, TEMP and BATT LOW indications.
- Confirm both installed Power Modules share the chassis load under normal operation.
- Test primary-power loss and chassis-alarm reporting according to the site procedure.
- Confirm input voltage, frequency, grounding and cabinet cooling before release.

Verify the exact model, slot keying, field wiring and controlled application before replacement.