



8310

Triconex 175 W 120 VAC/VDC Power Module

Product scope

- Accepts 120 VAC or DC-class input power for a Tricon chassis.
- Delivers 175 W of regulated 6.5 VDC logic power at 60 °C.
- Supports redundant power-module installation with onboard health indicators.
- The model is the 8310 high-density supply for 120 VAC/VDC installations rather than the 24 or 230 volt variants.

Official source basis

Schneider Electric / Triconex Tricon Product Guide, Power Module Specifications.

Technical facts are limited to the identified manufacturer documentation and the exact ordering configuration shown above.

Request a fast quote	Product reference	
Email: info@apterpower.com Phone: +86 18106909650 apter.com/inquiry.php	Triconex 8310	

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8310 technical profile

Triconex 8310 converts an 85–140 VAC or 95–180 VDC source into regulated logic power for a Tricon chassis. The module is rated for 175 W output at the manual's 60 °C design condition.

Two power modules can be installed for redundant operation, allowing the controller load to remain supported if one source path is lost. Front indicators report pass, fault, alarm, temperature and low-battery conditions.

Calculate the complete rack demand under the single-supply worst case and confirm the five-amp time-delay fuse, input wiring and protective earth. Model 8310 voltage limits must not be confused with the 24 VDC 8311 or 230 VAC 8312 versions.

Selection notice

8310 selection requires a full single-module chassis load calculation at 60 °C and verification of the 120 VAC/VDC input and five-amp time-delay protection.

Technical specifications

Nominal input	120 VAC/VDC
AC input range	85 to 140 VAC, 47 to 63 Hz
DC input range	95 to 180 VDC
Fuse	5 A time-delay
Minimum input power	240 W
Rated output power	175 W at 60 °C
Output voltage	6.5 VDC $\pm$ 1%
Maximum output current	27 A at 60 °C
Output hold time	20 ms minimum
Input-output isolation	>1000 VAC or 1500 VDC
Input conductors	Three 12 AWG wires
Alarm contacts	NO / NC / common
Alarm-contact rating	120 VAC at 1 A
Overtemperature threshold	Internal temperature above 83 °C
Indicators	PASS / FAULT / ALARM / TEMP / BAT LOW
Supported chassis	Main / Expansion / RXM
Redundant installation	Supported
Operating temperature	0 to 60 °C
Storage temperature	-40 to 85 °C
Relative humidity	5 to 95%, non-condensing
Installation environment	Industrial control enclosure

Application and integration notes

Performance	• The module provides 175 W output at 60 °C with a 27 A maximum output-current rating. • Regulated output is 6.5 VDC within $\pm 1\%$ across the stated operating conditions. • Minimum input power available to each supply must be 240 W.
Efficiency	• Dual installation shares the operational power demand while maintaining redundancy. • A twenty-millisecond minimum hold time supports the logic bus through brief input interruptions. • Power-budget calculations should use the published consumption of every populated module.
Diagnostics	• PASS and FAULT indicators display the internal supply health state. • ALARM and TEMP indicators warn of chassis or excessive-temperature conditions. • The BAT LOW indication reports the monitored backup-battery condition.

Request product documentation and quotation support

Send the complete label, system configuration, quantity and destination.



Email: info@apterpower.com **Phone:** +86 18106909650

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