Yokogawa PW482-S01

Complete Product Information

PW482-S01 feeds the internal unit power bus through an exclusive connector and can form a dual-redundant supply pair when two modules are installed.

WHAT THIS PRODUCT DOES

Yokogawa PW482-S01 is a 220 to 240 V AC power-supply execution for supported field control and I/O node units.

Product characteristic 1

Accepts 220 to 240 V AC input.

Product characteristic 2

Connects through the unit's exclusive power connector.

Product characteristic 3

Installs in supported FCU, FIO and optical repeater units.

Product characteristic 4

Supports a two-module dual-redundant power arrangement.

PRODUCT-PAGE TECHNICAL SNAPSHOT

Input voltage	220 to 240 V AC ±10%
Input frequency	50/60 Hz ±3 Hz
Maximum power consumption	230 VA
Interface	Exclusive connector
Installation units	FCU, FIO Node Unit and Optical ESB Bus Repeater Unit
Redundancy	Two-module dual-redundant configuration
Output use	Exclusive internal unit power; not a generic supply

IMPORTANT NOTICE

Preserve the complete PW482-S01 identity and verify its documented electrical, network or signal response before release.

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Features and technical data

TECHNICAL DATA SHOWN ON THE PRODUCT PAGE

Input voltage	220 to 240 V AC ±10%
Input frequency	50/60 Hz ±3 Hz
Maximum power consumption	230 VA
Interface	Exclusive connector
Installation units	FCU, FIO Node Unit and Optical ESB Bus Repeater Unit
Redundancy	Two-module dual-redundant configuration
Output use	Exclusive internal unit power; not a generic supply

FEATURE INTERPRETATION

Product identity

Accepts 220 to 240 V AC input.

System role

Connects through the unit's exclusive power connector.

Service context

Installs in supported FCU, FIO and optical repeater units.

Return-to-service focus

Supports a two-module dual-redundant power arrangement.

SIGNAL OR CONTROL PATH

Field device → **Product interface** → **System channel** → **Verified response**

PW482-S01 should be matched to the documented system position, companion hardware and retained project configuration before the channel or station is returned to control.

PRODUCT-PAGE TECHNICAL QUESTIONS

Which mains range is specified for Yokogawa PW482-S01?	The module accepts 220 to 240 V AC with a tolerance of ±10 percent.

Common applications

The application groups below reproduce the model-specific uses presented on the product page and connect each use to a practical verification point.

Field control unit power

Supplies compatible FCU internal electronics.

FIO node power

Feeds supported field I/O node units.

Optical ESB repeater power

Operates the documented bus repeater unit.

Redundant station supply

Pairs two modules to maintain the configured dual power path.

APPLICATION VERIFICATION MAP

Field control unit power	Confirm the documented system position and the required operating function.
FIO node power	Compare the restored connection or control path with the approved record.
Optical ESB repeater power	Check the physical interface and the retained configuration before startup.
Redundant station supply	Record diagnostics and the final controlled response before release.

INFORMATION CARRIED INTO THE WORK RECORD

Identity record

Complete marking and assigned system position.

Connection record

Connector, conductor and interface arrangement as found.

Configuration record

Controlled settings, application data and option state.

Acceptance record

Observed status, response and release decision.

IMPORTANT NOTICE

Use the complete product identifier for every application review; a related product link is not evidence of interchangeability.

APPLICATION QUESTIONS

What is the maximum input demand of Yokogawa PW482-S01?	Maximum power consumption is 230 VA.
Can Yokogawa PW482-S01 be wired as a generic external power supply?	No. Yokogawa specifies it as an exclusive module for supported control and node units, so external output ratings are not defined.
Which units accept Yokogawa PW482-S01?	Supported installations include field control units, FIO node units and Optical ESB Bus Repeater Units.

Product precautions and questions

EIGHT MODEL-SPECIFIC PRECAUTIONS

01	Confirm the full PW482-S01 marking and assigned power slot.
02	Record incoming voltage, breaker and redundant-module status.
03	Isolate both supply paths before removing the module.
04	Do not use the module as a general-purpose external DC supply.
05	Inspect the exclusive connector and retention hardware.
06	Install the module without disturbing the companion supply.
07	Energize one documented path at a time and watch fault indications.
08	Verify unit power, redundancy and controller or node operation before release.

FREQUENTLY ASKED TECHNICAL QUESTIONS

Which mains range is specified for Yokogawa PW482-S01?	The module accepts 220 to 240 V AC with a tolerance of ±10 percent.
How tightly is input frequency defined for Yokogawa PW482-S01?	The documented input is 50 or 60 Hz with a tolerance of ±3 Hz.
What is the maximum input demand of Yokogawa PW482-S01?	Maximum power consumption is 230 VA.
Can Yokogawa PW482-S01 be wired as a generic external power supply?	No. Yokogawa specifies it as an exclusive module for supported control and node units, so external output ratings are not defined.

IMPORTANT NOTICE	Confirm the complete PW482-S01 marking, assigned system position and mating interfaces before installation.

RELEASE CHECKLIST

Identity accepted	The complete product marking and assigned system position agree.
Interfaces accepted	Connections, retention and controlled configuration match the recorded condition.
Response accepted	Diagnostics and the intended technical response have been documented.

FAQ, configuration control and related models

ADDITIONAL TECHNICAL QUESTIONS

Which units accept Yokogawa PW482-S01?	Supported installations include field control units, FIO node units and Optical ESB Bus Repeater Units.
How is dual redundancy obtained with Yokogawa PW482-S01?	Install two documented power modules in the supported unit to form the dual-redundant supply configuration.
Which connector must be checked on Yokogawa PW482-S01?	The module uses the unit's exclusive power connector; inspect alignment, contact condition and retention.
What should be observed after energizing Yokogawa PW482-S01?	Confirm normal unit power, absence of supply faults, healthy companion-module status and uninterrupted controller or node operation.

CONFIGURATION CONTROL RECORD

Configuration identity	Yokogawa PW482-S01
Technical boundary	Apply only the functions and interfaces shown for this product or its identified system family.
Selection control	Match the complete ordering string and installed interfaces before purchase or installation.

RELATED MODELS ON APTERPOWER

Yokogawa ADV869-P00 S1	Related product reference. Review the complete ordering string before selection.
Yokogawa NFCP501-W15 S2	Related product reference. Compare the required interface and system position.
Yokogawa CP451-10 S2	Related product reference. Confirm the execution independently for the intended task.

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