

Fault Managed Power (FMP) Transmitter, 1U - 6kW

AGILE-CORE™
Distributed Edge Architecture

PROJECT:

QTY:

TYPE:

CATALOG:



FRONT VIEW



REAR VIEW

SYSTEM OVERVIEW

The AGILE-CORE™ Distributed Edge Architecture solution is an intelligent power distribution and control system that leverages safe DC power to provide the best IT and OT networks possible while reducing the total installed and operating cost of a project.

OVERVIEW

The AGILE-CORE™ Transmitter is a component in the Class 4 fault managed power system. When the transmitter is paired with an AGILE-CORE™ receiver using Strandwise™ cable, a fault managed power system (FMPS) is formed. If a fault occurs on the FMPS line between the transmitter and receiver (such as a person contacting the conductors) power is disconnected; reducing the risk of fire, equipment damage and injury. The Transmitter is part of a listed Class 4 system. The circuit between the transmitter and receiver is a Fault Managed Power (FMP) circuit and should be installed as a Class 4 circuit according to NFPA 70 Article 726.

FEATURES:

- Up to two hot swappable power supplies for increased resiliency
- Accepts 100 to 277VAC reducing transformer costs
- TCP/IP Lan interface w/ SNMP allowing unprecedented intelligent control and monitoring
- Will distribute significant power safely over distances exceeding a mile
- Plug-and-play platform allows faster, easier installations, reducing labor costs and speeding up time to market
- LED indicators for ease of troubleshooting

SPECIFICATIONS

ELECTRICAL

Input Power Voltage:	100 to 277VAC (for full power operation, input voltage must be 208VAC or greater)
Max Current:	16 A RMS per power module (minimum circuit breaker size is 20 A per input connection)
Output Power Voltage:	315 - 350 Vdc Fault Managed Power / Class 4 output
Total Power:	Up to 6kW
Number of Output Channels:	4
Max Current Per Output Channel:	4.68 A
Output Wiring Size:	18-12AWG
Max Output Distance:	6000 ft
Recommended Cable Capacitance:	40 pF/ft (131.2 pF/m) maximum

MECHANICAL

Dimensions:	Fits 1RU 19" (482.6 mm) and 23" (584.2 mm) racks
Standard Color:	Putty Green
Enclosure Material:	Powder coated steel
Weight:	15.25 lbs

I/O:

- Ethernet: RJ45, 10/100 Mbps
- Dry Contact Alarm Output: (1) NO; (1) NC 500mA
- Dry Contact Alarm Input: (1) NO; (1) NC

ENVIRONMENTAL:

Operating Temperature:	-20 ~ +50C (derate after 40C with 1U spacing (see temperature derating curve)
Storage Temperature:	-20 ~ +70C
Relative Humidity:	20 ~ 70% RH non-condensing
Environmental Space:	Indoor use only
Listings:	UL 1400-1 UL 62368-1 CAN/CSA-C22.2 No. 62368-1 CE RoHS REACH

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ORDERING GUIDE:

Catalog Number	Description
TS4 FMP ACUNV 6K 01	TRANSMITTER, FMP, 100-277VAC, 6000W W/ (1) POWER SUPPLY W/ (1) PWR CORD

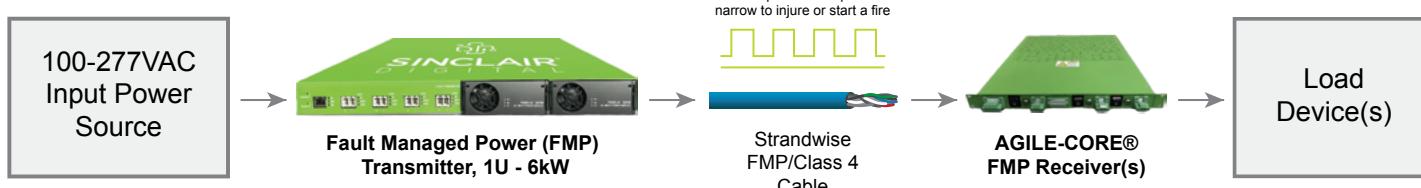
Includes (1) 3000W power supply already installed and (1) C19 to L7-20P; 6ft power cord

ACCESSORIES

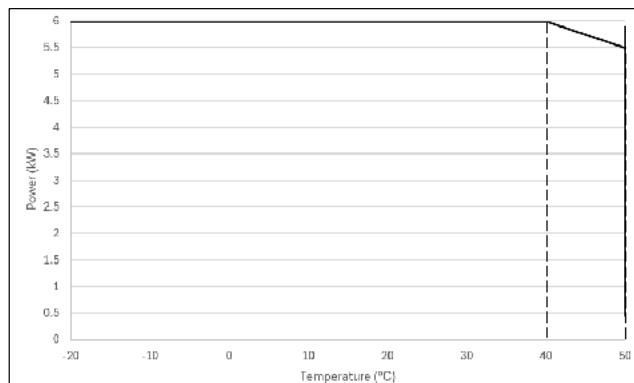
Field installable, order as a separate catalog number

PSM3K ACUNV	POWER SUPPLY MODULE, 3000W, 100-277VAC
CABLE PWR C19 L720P	C19 to L-720P; 6ft POWER CORD
CABLE PWR C19 515P	C19 to 515P; 6ft POWER CORD

DIAGRAM



TEMPERATURE DERATING CURVE



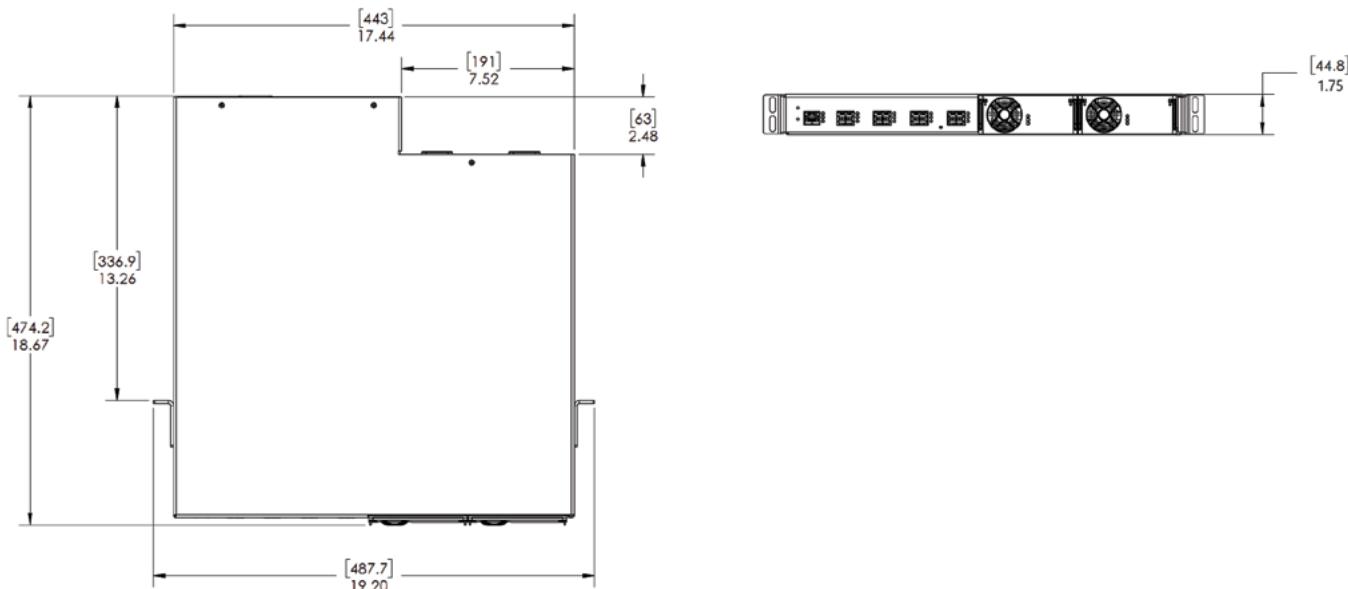
Derating curve assumes 1U spacing between adjacent units.

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DIMENSIONS (inches/mm)



AGILE-CORE POWER DISTRIBUTION AND CONTROL SYSTEM

