

Fault Managed Power (Receiver) Power Distribution Module, 1U - 2000W

AGILE-CORE[®]
Distributed Edge Architecture

PROJECT:

QTY:

TYPE:

CATALOG:

SPECIFICATIONS

ELECTRICAL

Input Power Voltage:	310 to 350VDC (336 nominal) fault managed power from AGILE-CORE™ Transmitter only
# of Input Channels:	1-2
Input Power Per Channel:	1,260W(VA) @ 336VDC / Up to 3.75A Max
Output Power Voltage:	57VDC
Number of Output Channels:	4
Total Output Power:	Channels 1 through 3 and Accessory Channel 2,016W(VA) @ 57VDC / Up to 35.4A Max Combined Total Load Rating
Output Channel 1:	1,008W(VA) @ 57VDC; Up to 17.6A Max
Output Channels 2 & 3 Combined Output:	1,008W(VA) @ 57VDC; Up to 17.6A Max
Output Channel 4 (Accessories):	<ul style="list-style-type: none">• Circuits 1 & 2: 114W(VA) @ 57VDC; Up to 2A; unswitched, shared with Output CH 1• Circuit 3: 57W(VA) @ 57VDC; Up to 1A; switched, shared with Output CH 1• Circuit 4: 57W(VA) @ 57VDC; Up to 1A; switched, shared with Output CH 2• Circuit 5: 57W(VA) @ 57VDC; Up to 1A; switched, shared with Output CH 3
Output Protection Features:	Constant current limiting with delay shutdown after 3 seconds, re-power on to recover

MECHANICAL

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

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



SYSTEM OVERVIEW

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

OVERVIEW

The AGILE-CORE™ Power Distribution Module is a component in the Class 4 fault managed power system. When the Power Distribution Module (also referred to as the receiver) is paired with an AGILE-CORE™ Transmitter 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 Power Distribution Module 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. The Power Distribution Module converts Fault Managed Power to Low Voltage Direct Current Power to power IEEE network switches, lighting power controllers and other accessories.

FEATURES:

- Safely receives Fault Managed Power and converts it to low voltage direct current power
- Plug-and-play platform allows faster, easier installations, reducing labor costs and speeding up time to market
- Fanless convection cooled 1U form factor for simplified installation
- LED indicators for ease of troubleshooting

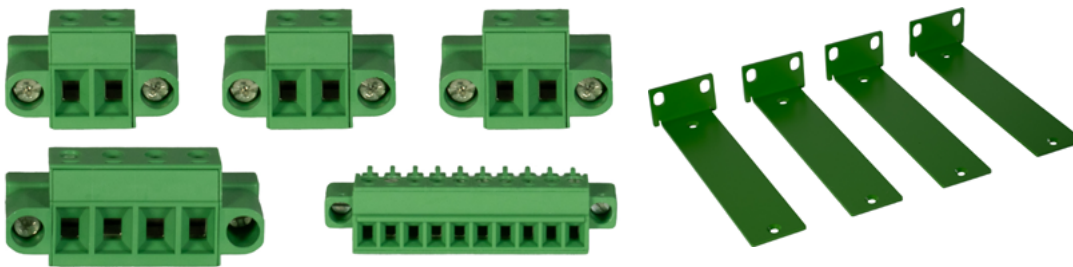
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AGILE-CORE®
Distributed Edge Architecture

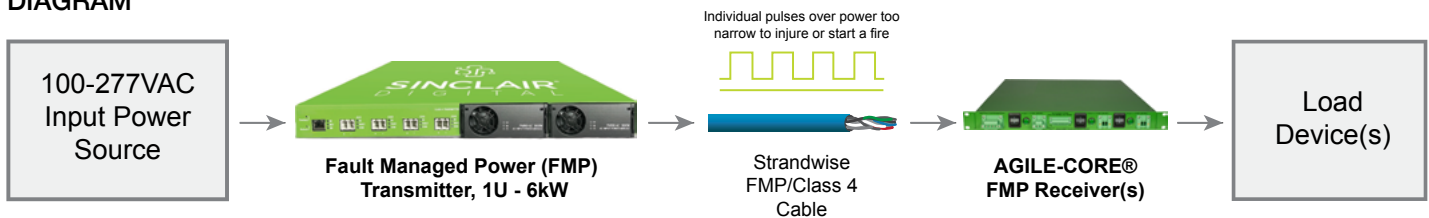
ORDERING GUIDE:

Catalog Number	Description
PDM-FMP-MW2000-F3	POWER DISTRIBUTION MODULE, FMP, 1U, 2000W

BRACKETS AND TERMINALS



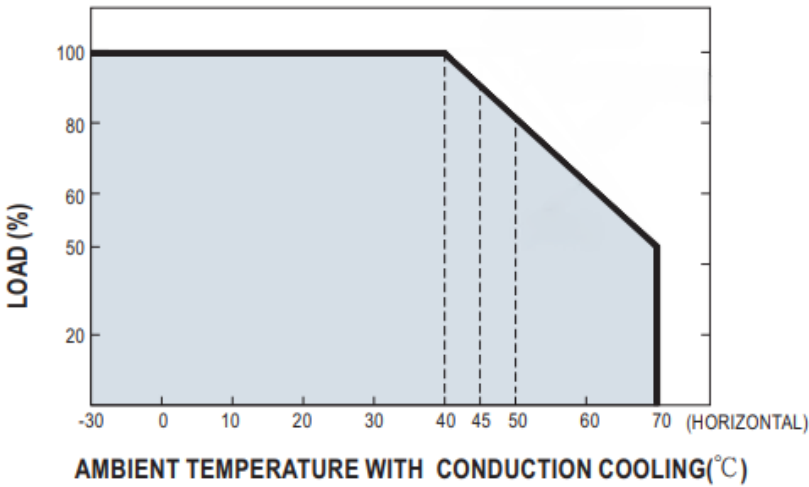
DIAGRAM



ADDITIONAL DIAGRAM



TEMPERATURE DERATING CURVE



AGILE-CORE POWER DISTRIBUTION AND CONTROL SYSTEM

