Power Management Module²

30–300 kVA

Technical Specifications

10/2017



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As standards, specifications, and designs change from time to time, please ask for confirmation of the information given in this publication.

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Important Safety Instructions — SAVE THESE INSTRUCTIONS

Read these instructions carefully and look at the equipment to become familiar with it before trying to install, operate, service or maintain it. The following safety messages may appear throughout this manual or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a “Danger” or “Warning” safety message indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages with this symbol to avoid possible injury or death.

⚠DANGER

DANGER indicates a hazardous situation which, if not avoided, **will result in** death or serious injury.

Failure to follow these instructions will result in death or serious injury.

⚠WARNING

WARNING indicates a hazardous situation which, if not avoided, **could result in** death or serious injury.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

⚠CAUTION

CAUTION indicates a hazardous situation which, if not avoided, **could result in** minor or moderate injury.

Failure to follow these instructions can result in injury or equipment damage.

NOTICE

NOTICE is used to address practices not related to physical injury. The safety alert symbol shall not be used with this type of safety message.

Failure to follow these instructions can result in equipment damage.

Please Note

Electrical equipment should only be installed, operated, serviced, and maintained by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction, installation, and operation of electrical equipment and has received safety training to recognize and avoid the hazards involved.

FCC Statement

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Safety Precautions

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

All safety instructions in this document must be read, understood and followed.

Failure to follow these instructions will result in death or serious injury.

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Read all instructions in this manual before installing or working on this power management module.

Failure to follow these instructions will result in death or serious injury.

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Do not install the power management module until all construction work has been completed and the installation room has been cleaned.

Failure to follow these instructions will result in death or serious injury.

⚠DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- The product must be installed according to the specifications and requirements as defined by Schneider Electric. It concerns in particular the external and internal protections (upstream breakers, battery breakers, cabling, etc.) and environmental requirements. No responsibility is assumed by Schneider Electric if these requirements are not respected.
- After the power management module has been electrically wired, do not start up the system. Start-up must only be performed by Schneider Electric.

Failure to follow these instructions will result in death or serious injury.

⚠DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

The power management module must be installed according to local and national regulations. Install the power management module according to:

- NEC NFPA 70, **or**
- Canadian Electrical Code (C22.1, Part 1)

depending on which one of the standards apply in your local area.

Failure to follow these instructions will result in death or serious injury.

⚠DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Install the power management module in a temperature controlled indoor environment free of conductive contaminants and humidity.
- Install the power management module on a non-flammable, level and solid surface (e.g. concrete) that can support the weight of the system.

Failure to follow these instructions will result in death or serious injury.

⚠DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

The power management module is not designed for and must therefore not be installed in the following unusual operating environments:

- Damaging fumes
- Explosive mixtures of dust or gases, corrosive gases, or conductive or radiant heat from other sources
- Moisture, abrasive dust, steam or in an excessively damp environment
- Fungus, insects, vermin
- Salt-laden air or contaminated cooling refrigerant
- Pollution degree higher than 2 according to IEC 60664-1
- Exposure to abnormal vibrations, shocks, and tilting
- Exposure to direct sunlight, heat sources, or strong electromagnetic fields

Failure to follow these instructions will result in death or serious injury.

⚠DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

Do not drill or cut holes for cables or conduits with the gland plates installed and do not drill or cut holes in close proximity to the power management module.

Failure to follow these instructions will result in death or serious injury.

⚠WARNING

HAZARD OF ARC FLASH

Do not make mechanical changes to the product (including removal of cabinet parts or drilling/cutting of holes) that are not described in this manual.

Failure to follow these instructions can result in death, serious injury, or equipment damage.

NOTICE

RISK OF OVERHEATING

Respect the space requirements around the power management module and do not cover the ventilation openings when the power management module is in operation.

Failure to follow these instructions can result in equipment damage.

Technical Data

Model List

- Power Management Module 30 kVA
- Power Management Module 50 kVA
- Power Management Module 75 kVA
- Power Management Module 100 kVA
- Power Management Module 125 kVA
- Power Management Module 150 kVA
- Power Management Module 200 kVA
- Power Management Module 225 kVA
- Power Management Module 300 kVA

Model Numbering

The model numbering of the unit, located on the inside of the main cabinet door, can be parsed to indicate important parameters of the power management module. Possible values are shown in the following table.

Example model number: PMN126–42150

Power Management Module Model Number Structure

PM	N	126–	4	2	150
Power management module	N = New models	No. of pole positions	Input voltage	Output voltage	Power rating
	U = Ultra models	042 = 1 panelboard, 42 poles	1 = 208/120 VAC	2 = 208/120 VAC	030 = 30 kVA
		084 = 2 panelboards, 84 poles	2 = 208 VAC	3 = 380 VAC	050 = 50 kVA
		126 = 3 panelboards, 126 poles	3 = 380 VAC		075 = 75 kVA
		168 = 4 panelboards, 168 poles	4 = 480 VAC		100 = 100 kVA
		210 = 5 panelboards, 210 poles	6 = 600 VAC		125 = 125 kVA
		252 = 6 panelboards, 252 poles			150 = 150 kVA
					200 = 200 kVA
					225 = 225 kVA
					300 = 300 kVA

Transformer Data

Transformer Impedance

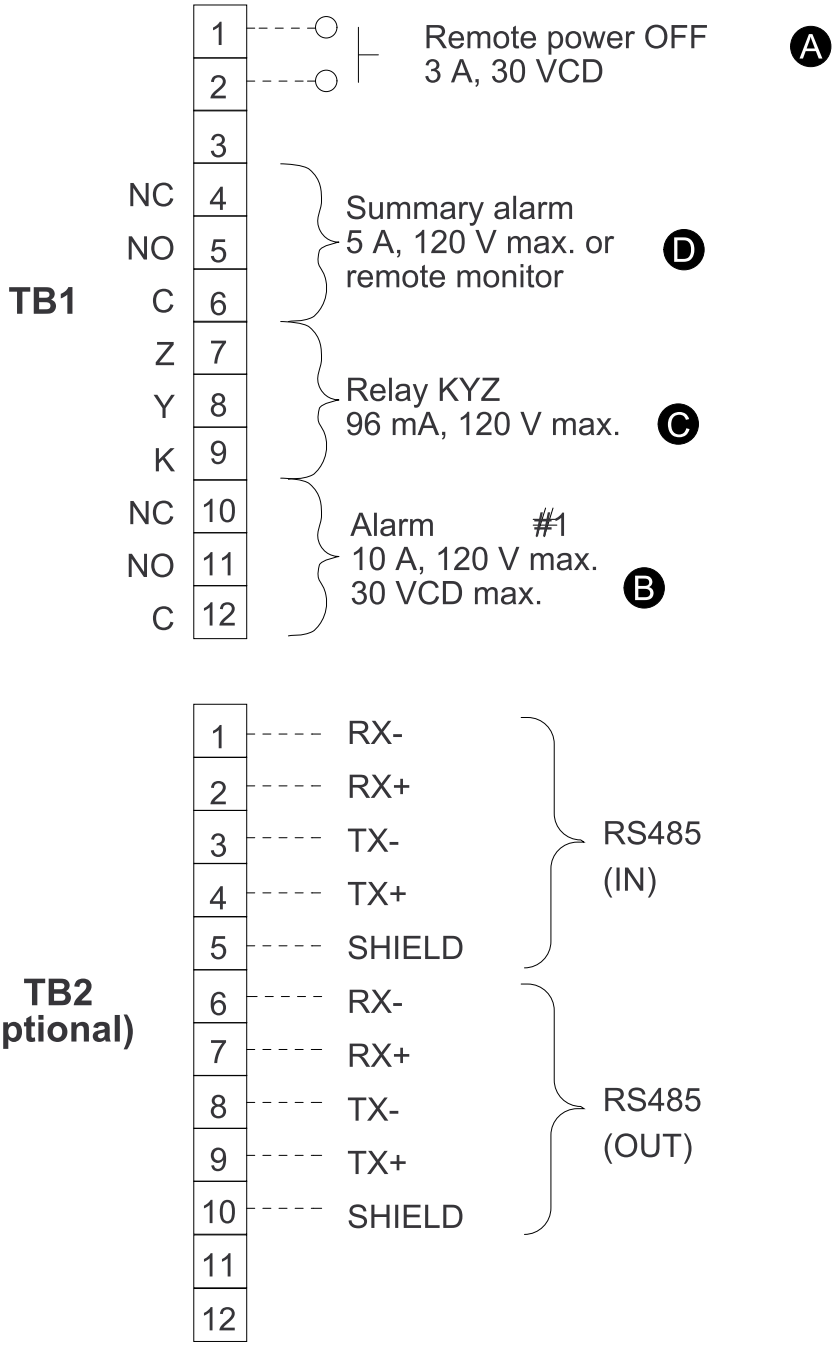
Impedance at rated load varies from 1.5% to 5% (depending on transformer capacity). For accurate information see submittal drawings. (The reference Impedance range of a 300 kVA transformer is 2.0 –5.0 %).

Efficiency at Full Load

kVA	p/n	Efficiency (min)
75	045–000036–0005	98.1%
100	045–000036–0007	98.4%
125	045–000036–0006	98.5%
150	045–000036–0001	98.6%
225	045–000036–0002	98.7%
300	045–000036–0003	98.8%

Communication and Management

Input and Output Contacts



Available when RS485 feature present.

A	Input from normally-open (NO) Form C contact closure trips main input circuit breaker.
B	Specified alarms provide normally-open (NO) or normally-closed (NC) Form C contacts for connection to remote alarms (optional).
C	Specified alarms provide low-power pulse output (optional).
D	Any alarm condition provides normally-open (NO) or normally-closed (NC) Form C contacts for connection to a remote device (optional).

Display Alarm Indicators

Indicator/Annunciation	No meter	PM800/ PM5000	MCM	DMMS -300	PowerLogic CM4000
Buzzer Horn	Std	Std	Std	Std	Std
Alarm Silence	Std	Std	Std	Std	Std
Illuminated EPO Button	Std	Std	Std	Std	Std
Transformer High Temperature Alarm	Std	Std	Std	Std	Std
Transformer Over Temperature Alarm and Shutdown	Std	Std	Std	Std	Std
Power Monitor Display					
Voltage Line to Line	N/A	Std	Std	Std	Std
Voltage Line to Neutral	N/A	Std	Std	Std	Std
Current	N/A	Std	Std	Std	Std
Neutral current	N/A	N/A	N/A	N/A	Std
kVA	N/A	Std	Std	Std	Std
kW	N/A	Std	Std	Std	Std
Frequency	N/A	Std	Std	Std	Std
Voltage, Amps, KWH Max/Min Demand	N/A	Std	N/A	Std	Std
Power Factor	N/A	Std	Std	Std	Std
KVA H	N/A	Std	N/A	Std	Std
KVAR H Consumption	N/A	Std	N/A	N/A	Std
KW H Consumption	N/A	Std-13	Std	Std	Std
Harmonics to the 31st order	N/A	Std-13	N/A	Std	Std
Control					
Emergency Power Off (EPO)	Std	Std	Std	Std	Std
Remote Emergency Power Off (REPO) Terminals	Std	Std	Std	Std	Std
Power Alarms and/or Shutdown					
Overvoltage alarm	N/A	Std	Std	Std	Std
Undervoltage alarm	N/A	Std	Std	Std	Std
Phase Loss alarm	N/A	Std	Std	Std	Std
Unbalance voltage	N/A	N/A	N/A	Std	Std
Over Current Alarm	N/A	Std	Std	Std	Std
Neutral Over/Under Current Alarm	N/A	N/A	N/A	N/A	Std
Over/Under Frequency Alarm	N/A	N/A	N/A	Std	Std
Phase Rotation Alarm	N/A	N/A	N/A	Std	Std
Over KVA	N/A	Std	Std	Std	Std
Over % THD	N/A	N/A	N/A	Std	Std
Over/Under Power Factor/KVAR Lag or Lead	N/A	N/A	N/A	Std	Std
Communication					
Auxiliary form C contacts for external shutdown or alarm	Std	Std	Std	Std	Std
RS-232 and/or RS-485 Remote Communication (Mod Bus protocol)	N/A	Std	Std	Opt	Std

Compliance

- FCC Part 15, Subpart J, Class A.
- UL/cUL 60950 Standard for Safety of Information Technology Equipment.
- NFPA 70 – National Electrical Code.
- ISO 9001.

Facility Planning

Input Specifications

kVA	30			50			
Voltage (V)	208/120	208/208	480/208	208/120	208/208	480/208	600/208
Input current (A)	83	83	36	139	139	60	48
Connection type	3PH+G 3PH+G+N for 208/120 V without transformer						
Input frequency (Hz)	60 (50 optional)						

kVA	75					100	
Voltage (V)	208/120	208/208	380/208	480/208	600/208	208/120	480/208
Input current (A)	208	208	114	90	72	278	120
Connection type	3PH+G 3PH+G+N for 208/120 V without transformer						
Input frequency (Hz)	60 (50 optional)						

kVA	125		150			200
Voltage (V)	480/208	600/208	380/208	480/208	600/208	480/208
Input current (A)	150	120	228	180	144	241
Connection type	3PH+G 3PH+G+N for 208/120 V without transformer					
Input frequency (Hz)	60 (50 optional)					

kVA	225			300
Voltage (V)	380/208	480/208	600/208	480/208
Input current (A)	342	271	217	361
Connection type	3PH+G 3PH+G+N for 208/120 V without transformer			
Input frequency (Hz)	60 (50 optional)			

Output Specifications

kVA	30			50			
Voltage input/output (V)	208/120	208/208	480/208	208/120	208/208	480/208	600/208
Output current (A)	83	83	83	139	139	139	139
Connection type	3PH+G						
Output frequency (Hz)	60 (50 optional)						

kVA	75					100	
Voltage input/output (V)	208/120	208/208	380/208	480/208	600/208	208/120	480/208
Output current (A)	208	208	114	208	208	278	278
Connection type	3PH+G						
Output frequency (Hz)	60 (50 optional)						

kVA	125		150			200
Voltage input/output (V)	480/208	600/208	380/208	480/208	600/208	480/208
Output current (A)	347	347	228	416	416	555
Connection type	3PH+G					
Output frequency (Hz)	60 (50 optional)					

kVA	225			300
Voltage input/output (V)	380/208	480/208	600/208	480/208
Output current (A)	342	625	625	833
Connection type	3PH+G			
Output frequency (Hz)	60 (50 optional)			

Input Circuit Breaker Ratings

NOTE: Consult Schneider Electric for other input voltages than listed.

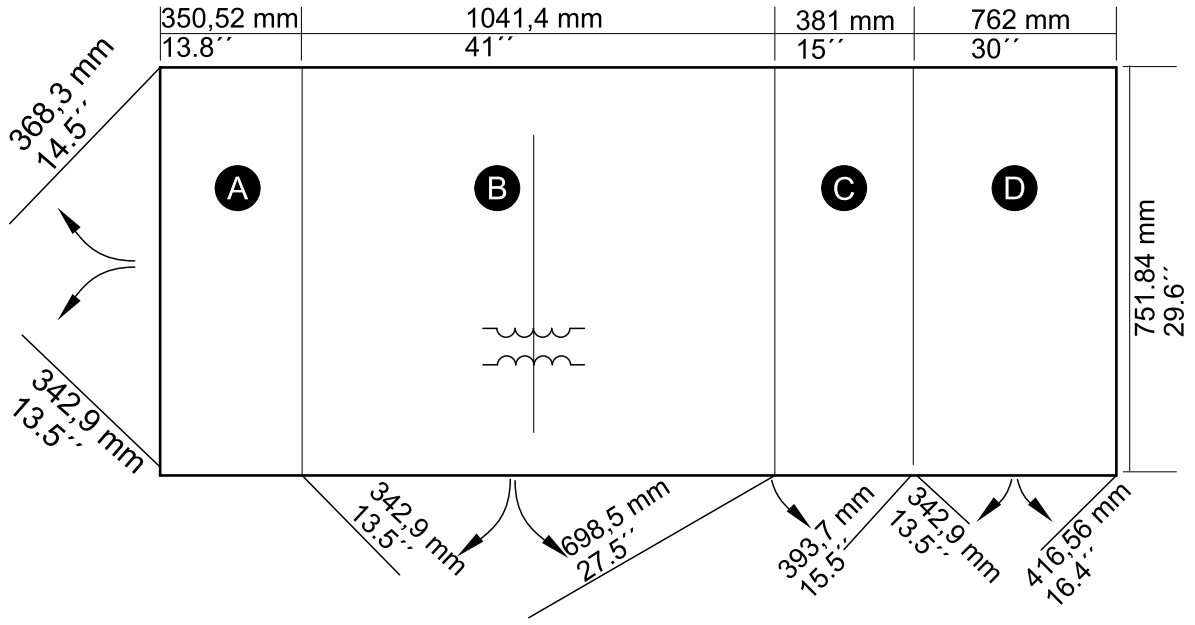
Cabinet size (A)	Interrupting rating RMS symmetrical amperes at 480 V
50	18 kA
70	18 kA
80	18 kA
90	18 kA
110	25 kA
125	25 kA
150	25 kA
175	25 kA
200	25 kA
225	25 kA
300	30 kA
350	30 kA
400	30 kA
450	30 kA
600	30 kA

Physical

Power Management Module Dimensions

The standard 42 inch power management module cabinet containes two x 42 pole panel boards. Up to four extra panel boards (252 poles in total) can be added using either front facing or side facing cabinet configurations. 4 x 225 A distribution breakers may be substituted for 42 pole panel boards.

Top View



	Cabinet	Height mm (in)	Width mm (in)	Depth mm (in)
A	Side facing 42/84 pole cabinet	1836.4 mm (72.3)	350.5 mm (13.8)	751.8 mm (29.6)
B	Power management module cabinet 84 poles	1836.4 mm (72.3)	1041.4 mm (41.0)	751.8 mm (29.6)
C	Front facing 42 pole cabinet	1836.4 mm (72.3)	381.0 mm (15.0)	751.8 mm (29.6)
D	Front facing 84 pole cabinet	1836.4 mm (72.3)	762.0 mm (30.0)	751.8 mm (29.6)

Shipping Weights

kVA	Model numbers	PMN084 kg (lbs)	PMN126 kg (lbs)	PMN168 kg (lbs)[1]	PMN210 kg (lbs)	PMN252 kg (lbs)[2]
30	PMN...-12–030	306 (675)				
	PMN...-22–030	531 (1170)				
	PMN...-42–030	531 (1170)				
50	PMN...-12–050	306 (675)				
	PMN...-22–050	581 (1280)	689 (1520)	769 (1695)		
	PMN...-42–050	581 (1280)	689 (1520)	769 (1695)		
	PMN...-62–050	581 (1280)	689 (1520)	769 (1695)		
75	PMN...-12–075	306 (675)				
	PMN...-22–075	646 (1425)	755 (1665)	835 (1840)		
	PMN...-33–075	737 (1625)	846 (1865)	925 (2040)		

1. Front facing cabinet weights provided. For PMN168 with side cabinet subtract 91 kg (200 lbs).
2. Front facing cabinet weights provided. For PMN252 with side cabinet subtract 136 kg (300 lbs).

kVA	Model numbers	PMN084 kg (lbs)	PMN126 kg (lbs)	PMN168 kg (lbs)[3]	PMN210 kg (lbs)	PMN252 kg (lbs)[4]
	PMN...-42–075	737 (1625)	846 (1865)	925 (2040)		
	PMN...-62–075	737 (1625)	846 (1865)	925 (2040)		
100	PMN...-12–100	306 (675)				
	PMN...-42–100	760 (1675)	869 (1915)	948 (2090)	1057 (2330)	1136 (2505)
125	PMN...-42–125	923 (2035)	1036 (2285)	1120 (2470)	1234 (2720)	1318 (2905)
	PMN...-62–125	923 (2035)	1036 (2285)	1120 (2470)	1234 (2720)	1318 (2905)
150	PMN...-33–150	1095 (2415)	1209 (2665)	1293 (2850)	1406 (3100)	1490 (3285)
	PMN...-42–150	1016 (2240)	1129 (2490)	1213 (2675)	1327 (2925)	1411 (3110)
	PMN...-62–150	1016 (2240)	1129 (2490)	1213 (2675)	1327 (2925)	1411 (3110)
200	PMN...-42–200	1127 (2485)	1241 (2735)	1324 (2920)	1438 (3170)	1522 (3355)
225	PMN...-33–225	1266 (2790)	1379 (3040)	1463 (3225)	1576 (3475)	1660 (3660)
	PMN...-42–225	1208 (2665)	1322 (2915)	1406 (3100)	1519 (3350)	1603 (3535)
	PMN...-62–225	1208 (2665)	1322 (2915)	1406 (3100)	1519 (3350)	1603 (3535)
300	PMN...-42–300			1633 (3600)		1830 (4035)

Positioning

Junction Box

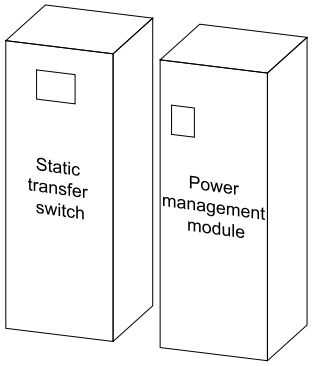
When the junction box option is ordered, it is normally shipped in advance of the power management module, and can be installed before the power management module arrives. The junction box must be placed within 2.4 m (8 ft) of the power management module, since the length of the optional supply cable is 3 m (10 ft).

Power Management Module and Static Transfer Switch

Move the power management module cabinet and any applicable options into their final location. Lower the leveling jacks on all four corners of the cabinet for proper stability. The weight must be on the leveling jacks instead of the casters.

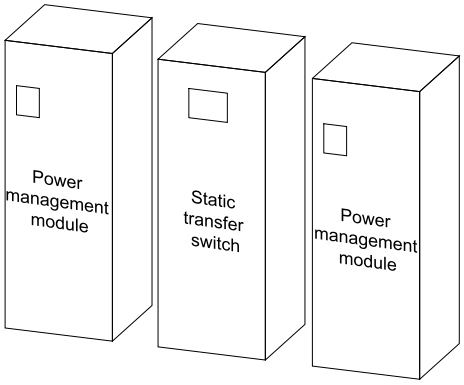
For Plus and Ultra configurations, the cabinets must be arranged in the required positions for proper connections:

- Plus configuration: When facing the power management module from the front, the static transfer switch cabinet must be located on the left hand side.



- Ultra configuration: The static transfer switch cabinet must be located between the power management module cabinets.

3. Front facing cabinet weights provided. For PMN168 with side cabinet subtract 91 kg (200 lbs).
4. Front facing cabinet weights provided. For PMN252 with side cabinet subtract 136 kg (300 lbs).



The interconnection cables and side barrier(s) are supplied with the power management module cabinet(s). The interconnection brackets are supplied with the static transfer switch cabinet.

Floor

The power management module is suitable for mounting on concrete or other non-combustible surfaces only. For installations on a raised floor, a floor tile cut-out is required for passage of cables. Floor loading must be considered when installing on a raised floor or on an upper story of a multiple-story building. The floor loading data is provided on installation drawings supplied with your equipment. Consult a structural engineer while planning your power management module installation. Place the power management module so the leveling jacks are as close as possible to the corners of the tiles.

Clearance

NOTE: Clearance dimensions are published for airflow and service access only. Consult with the local safety codes and standards for additional requirements in your local area.

Front clearance	Minimum 915 mm (36 in) for normal maintenance
Side facing cabinet clearance	Minimum 915 mm (36 in) for normal maintenance
Rear clearance	Minimum 153 mm (6 in) for transformer ventilation.
Top clearance	Minimum 307 mm (12 in) for air exhaust

NOTE: Refer to installation drawings for details on your configuration.

Environment

	Operation	Storage
Temperature	-10 °C to 40 °C (14 °F to 104 °F)	-40 °C to 60 °C (-40 °F to 140 °F)
Altitude	152 m below to 2134 m above sea level (500 ft below to 7000 ft above sea level) without derating	152 m below to 7620 m above sea level (500 ft below to 25,000 ft above sea level)
Relative humidity	10 to 70% condensing	10 to 90% non-condensing
Audible noise (1 meter from surface)	30–50 kVA: 45 dB 51–150 kVA: 50 dB 151–300 kVA: 55 dB	

Cooling

The power management module is convection cooled. Cooling air is drawn through the bottom section of the cabinet and exhausted through the top. The power management module does not use forced air or air filters. Care should be taken to ensure that the air intake and exhaust areas are not obstructed for airflow.

Heat Dissipation

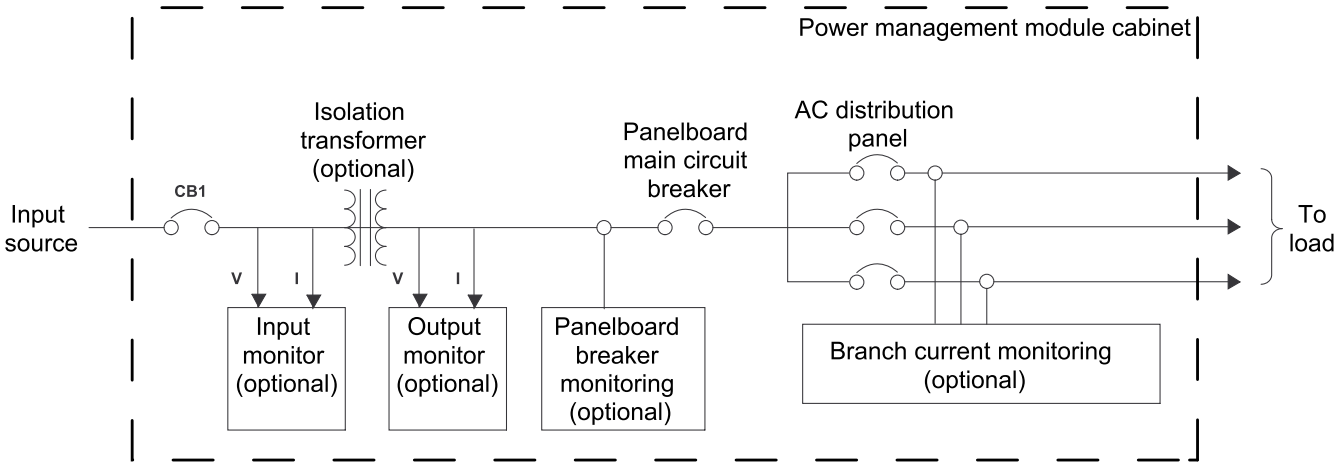
kVA	Model numbers	Input voltage (V)	BTU/hr
30	PMN...-12–030	208/120	600
	PMN...-22–030	208/208	2800
	PMN...-42–030	480/208	2800
50	PMN...-12–050	208/120	600
	PMN...-22–050	208/208	4100
	PMN...-42–050	480/208	4100
	PMN...-62–050	600/208	4100
75	PMN...-12–075	208/120	600
	PMN...-22–075	208/208	5200
	PMN...-33–075	380/208	5200
	PMN...-42–075	480/208	5200
	PMN...-62–075	600/208	5200
100	PMN...-12–100	208/120	600
	PMN...-42–100	480/208	5800
125	PMN...-42–125	480/208	6500
	PMN...-62–125	600/208	6500
150	PMN...-33–150	380/208	7300
	PMN...-42–150	480/208	7300
	PMN...-62–150	600/208	7300
200	PMN...-42–200	480/208	9700
225	PMN...-33–225	380/208	9800
	PMN...-42–225	480/208	9800
	PMN...-62–225	600/208	9800
300	PMN...-42–300	480/208	11100

Drawings

NOTE: A comprehensive set of drawings is available on the engineering website at engineer.apc.com.

NOTE: These drawings are for reference ONLY — subject to change without notice.

One Line Diagram

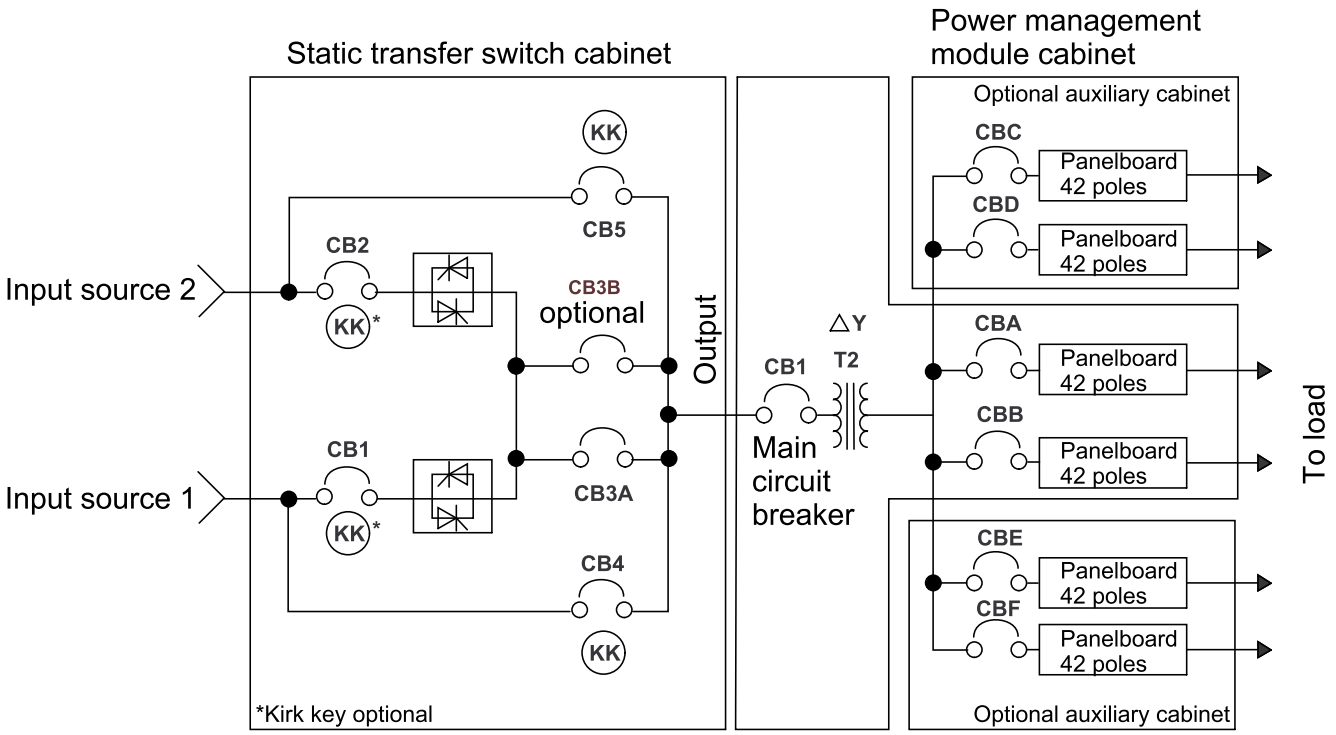


Power Management Module/Static Transfer Switch Configurations

Power Management Module Plus Configuration

In the power management module Plus configuration, the input of the power management module cabinet is supplied by the output of the static transfer switch. The dual input distribution system accepts two independent input sources feeding to the static transfer switch. If the preferred input source is not available, the static transfer switch will transfer to the alternate input source with no interruption to the load. The output power is conditioned and stepped down to distribution voltage via an isolation transformer, supplying panelboards or main frame circuit breakers.

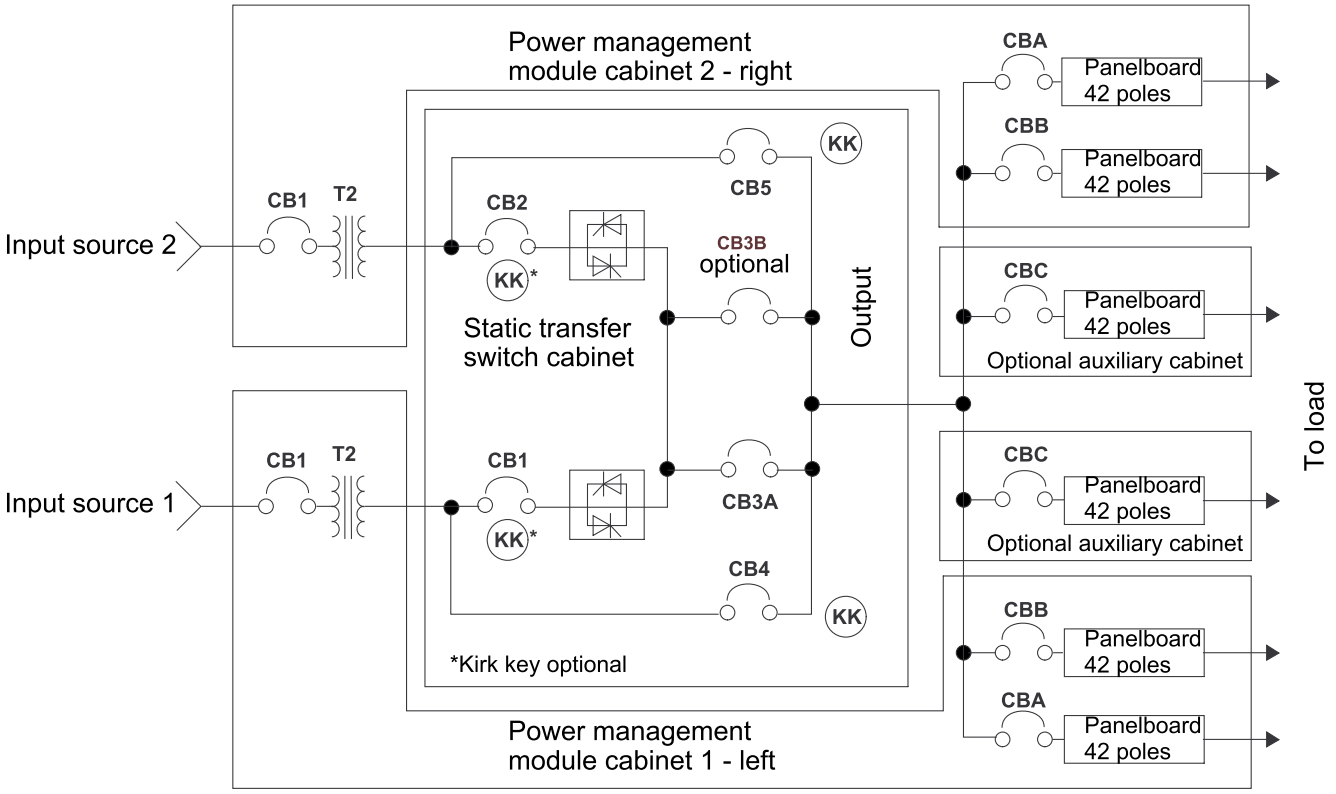
Power Management Module Plus Configuration – Diagram



Power Management Module Ultra Configuration

In the power management module Ultra configuration, an isolation transformer feeds each input source upstream of the static transfer switch. The transformer secondary output of the power management module cabinet 1 (left cabinet) supplies the source 1 input and power management module cabinet 2 (right cabinet) supplies source 2 input of the static transfer switch. If the preferred input source is not available, the static transfer switch will transfer to the alternate input source with no interruption to the load. The output of the static transfer switch connects to the output busbars of the power management module cabinet 1 and power management module cabinet 2, supplying panelboards or main frame circuit breakers.

Power Management Module Ultra Configuration – Diagram



Options

Hardware Options

Most options must be specified at the time of the original order for factory installation. Some options can be field installed; contact your Schneider Electric certified service partner for further information.

Junction box	Junction box provides power connection points for the input of the power management module. A lightning surge arrestor is installed in a power junction box. It is used to protect the power management module and the transformer primary against extremely high- and short-duration voltage spikes impressed on the utility power by lightning strikes or similar abnormalities. The lightning arrestor conducts surges to ground and away from the power management module. The lightning surge arrestor can discharge 20,000 amperes up to eight times for 20 µseconds for each discharge.
Distribution circuit breakers	Distribution circuit breakers can be factory installed. Up to 125 ampere pole circuit breakers can be installed on panelboards.
Main frame circuit breakers	Main frame circuit breakers can be installed in place of panelboards.
Higher interrupting input circuit breaker	Higher interrupting input circuit breakers can be installed in place of the standard interrupting breaker rating.
Output isolated ground bus	Output isolated ground bus provides a termination point for the second ground wire from isolated ground receptacles. Option is installed internally in the power management module.
Branch current monitoring	Branch current monitoring provides individual currents for each of the poles of a SquareD panelboard. Each current sensor can monitor conductors carrying up to a maximum of 50 amperes. The maximum wire size capacity is #6 THHN, 0.35” diameter.
Panelboard main circuit breaker monitoring	Panelboard main circuit breaker monitoring provides the phase currents of the breaker.
Input cable entry	Input cable entry can be selected for either bottom or top.
Seismic bracing	Seismic bracing is available to secure the frame of the power management module to the floor for installations where such strengthening is required.
Remote emergency power off (REPO)	REPO makes it possible to disconnect output power at the power management module from a remote location in an emergency. When the REPO is activated, it trips the main input circuit breaker. The power management module shuts down, along with all connected loads. Any number of REPO stations can be connected as required.
Manual restart	The manual restart can be enabled by closing the switch located on the fuse panel. Refer to *power management module Major Internal Components*. If the manual restart is enabled (switch closed /vertical position) and if the input power to the power management module is removed for more than two seconds, then the main input breaker of the power management module will open automatically. If the manual restart is disabled (switch open / horizontal position), then the main input breaker of the power management module will remain closed after the input power is removed.
Transient voltage suppression system (TVSS)	Transient voltage suppression system (TVSS), which is connected to the output (secondary) side of the main isolation transformer, is used to clip voltage transients. Provides 100,000 amperes of surge protection per phase or 50,000 amperes line to ground, line to neutral or neutral to ground. Option is installed internally in the power management module.
Transient suppression plate	Transient suppression plate is used to minimize the effects of high frequency electrical noise. The plate, ten square feet (one square meter), is mounted in direct contact with the masonry floor. The transient suppression plate and the reinforcement bars (rebars) of the masonry form a capacitor, shunting high frequency electrical noise, through the rebar), to earth ground.
Distribution cables	Distribution cables include an appropriately sized circuit breaker (bolt-on or plug-in, as specified); phase, neutral and ground conductors, as required; receptacle(s) as specified; and sealed, liquid-tight flexible conduit in the length specified. Cables are colored blue and are UL listed for use per the National Electrical Code (ANSI/NFPA 70, latest issue).
Floor stand	Floor stands are used in applications where a raised floor installation is not possible and top or side conduit landings cannot be used.
Isolation transformer	K-20 rated isolation transformer (Aluminium < 150 kVA or Copper 150 kVA+)
Monitoring systems	Contact Schneider Electric for details.

System Configuration Options

- 84 pole, 126 pole, 168 pole, or 252 pole panelboard
- 600:208V, 480:208V, 208:208V isolation transformer, or no transformer
- 110 A, 175 A, 300 A, or 350 A main input circuit breaker
- Bottom entry, top entry, front and bottom, front and top, or side and top entry cabinets
- Current transformer or branch current monitoring
- PM800/PM5000 output metering, Veris output metering, Veris input/output metering, CM4000 metering with ethernet card, or no metering
- Optional 10 kAIC or 22 kAIC breakers

kVA	Input	Output	Input mains	Panelboards	Input connections	Isolation transformer
30	208/120	208/120	Single	Up to 2	Top/Bottom	No
	208	208/120	Single	Up to 2	Top/Bottom	Yes
	480	208/120	Single	Up to 2	Top/Bottom	Yes
50	208/120	208/120	Single	Up to 2	Top/Bottom	No
	208	208/120	Single	Up to 4	Top/Bottom	Yes
	480	208/120	Single	Up to 4	Top/Bottom	Yes
	600	208/120	Single	Up to 4	Top/Bottom	Yes
75	208/120	208/120	Single	Up to 4	Top/Bottom	No
	208	208/120	Single	Up to 4	Top/Bottom	Yes
	480	208/120	Single	Up to 4	Top/Bottom	Yes
	600	208/120	Single	Up to 4	Top/Bottom	Yes
100	120/208	208/120	Single	Up to 2	Top/Bottom	No
	480	208/120	Single	Up to 6	Top/Bottom	Yes
125	480	208/120	Single	Up to 6	Top/Bottom	Yes
	600	208/120	Single	Up to 6	Top/Bottom	Yes
150	480	208/120	Single	Up to 6	Top/Bottom	Yes
	600	208/120	Single	Up to 6	Top/Bottom	Yes
200	480	208/120	Single	Up to 6	Top/Bottom	Yes
225	480	208/120	Single	Up to 6	Top/Bottom	Yes
	600	208/120	Single	Up to 6	Top/Bottom	Yes
300	480	208/120	Single	Up to 6	Top/Bottom	Yes

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Schneider Electric
35 rue Joseph Monier
92500 Rueil Malmaison
France

+ 33 (0) 1 41 29 70 00

www.schneider-electric.com

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