

JPM120PS03[*r]											
100-240ac	50/60	0	3.3	30	150	3	60950-1	20B	5	0	
JPM120PS05[*r]											
100-240ac	50/60	0	5	30	150	3	60950-1	20B	5	0	
JPM120PS07[*r]											
100-240ac	50/60	0	7.5	20	150	3	60950-1	20B	5	0	
JPM120PS12[*r]											
100-240ac	50/60	0	12	12.5	150	3	60950-1	20B	5	0	
JPM120PS13[*r]											
100-240ac	50/60	0	13.5	11.2	150	3	60950-1	20B	5	0	
JPM120PS15[*r]											
100-240ac	50/60	0	15	10	150	3	60950-1	20B	5	0	
JPM120PS24[*r]											
100-240ac	50/60	0	24	6.3	150	3	60950-1	20B	5	0	
JPM120PS27[*r]											
100-240ac	50/60	0	27	5.6	150	3	60950-1	20B	5	0	
JPM120PS48[*r]											
100-240ac	50/60	0	48	3.2	150	3	60950-1	20B	5	0	
JPM160PS03[*r]											
100-240ac	50/60	0	3.3	40	200	3	60950-1	20B	5	0	
JPM160PS05[*r]											
100-240ac	50/60	0	5	40	200	3	60950-1	20B	5	0	
JPM160PS07[*r]											
100-240ac	50/60	0	7.5	26.7	200	3	60950-1	20B	5	0	
JPM160PS12[*r]											
100-240ac	50/60	0	12	16.7	200	3	60950-1	20B	5	0	
JPM160PS13[*r]											
100-240ac	50/60	0	13.5	14.9	200	3	60950-1	20B	5	0	
JPM160PS15[*r]											
100-240ac	50/60	0	15	13.4	200	3	60950-1	20B	5	0	
JPM160PS24[*r]											
100-240ac	50/60	0	24	8.4	200	3	60950-1	20B	5	0	
JPM160PS27[*r]											
100-240ac	50/60	0	27	7.5	200	3	60950-1	20B	5	0	
JPM160PS48[*r]											
100-240ac	50/60	0	48	4.2	200	3	60950-1	20B	5	0	
JPM80PS03[*r]											
100-240ac	50/60	0	3.3	20	66	3	60950-1	20B	0	1	
JPM80PS05											
100-240ac	50/60	0	5.08	23.2	104	3	60950-1	20B	0	1	
JPM80PS07[*r]											

100-240ac	50/60	0	7.5	13.5	101.25	3	60950-1	20B	0	1
JPM80PS12[*r]										
100-240ac	50/60	0	12	8.5	102	3	60950-1	20B	0	1
JPM80PS13[*r]										
100-240ac	50/60	0	13.5	7.5	101.25	3	60950-1	20B	0	1
JPM80PS15[*r]										
100-240ac	50/60	0	15	6.7	100.5	3	60950-1	20B	0	1
JPM80PS24										
100-240ac	50/60	0	24.08	5.2	103	3	60950-1	20B	0	1
JPM80PS27[*r]										
100-240ac	50/60	0	27	3.8	102.6	3	60950-1	20B	0	1
JPM80PS48										
100-240ac	50/60	0	47.9	3.3	134	3	60950-1	20B	0	1



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Power Supplies, Information Technology Equipment Including Electrical Business Equipment Certified for Canada - Component

[View Listings](#)

[Page Bottom](#)

[Power Supplies Certified for Canada - Component] Power Supplies, Information Technology Equipment Including Electrical Business Equipment Certified for Canada - Component

[See General Information for Power Supplies Certified for Canada - Component](#)

The devices covered under this category are incomplete in certain constructional features or restricted in performance capabilities and are intended for use as components of complete equipment submitted for investigation rather than for direct separate installation in the field. THE FINAL ACCEPTANCE OF THE COMPONENT IS DEPENDENT UPON ITS INSTALLATION AND USE IN COMPLETE EQUIPMENT SUBMITTED TO UNDERWRITERS LABORATORIES INC.

USE

This category covers component power supplies intended for use in/with information technology and including electrical business equipment. End-use products that employ these types of power supplies are covered under Information Technology Equipment Including Electrical Business Equipment Certified for Canada ([NWGQ7](#)).

CONDITIONS OF ACCEPTABILITY

Consideration is to be given to the Conditions of Acceptability specified in the individual Recognitions and/or Reports when these components are employed in the end-use equipment.

REBUILT PRODUCTS

This category also covers Recognized Component power supplies that are rebuilt by the original manufacturer or another party having the necessary facilities, technical knowledge and manufacturing skills. Rebuilt power supplies are rebuilt to the extent necessary by disassembly and reassembly using new or reconditioned parts. Rebuilt power supplies are subject to the same requirements as new power supplies.

CODES

The following summarizes and defines codes shown in the individual Recognitions in addition to those indicated under Power Supplies Certified for Canada ([QQAQ8](#)).

Supply Category (SC) — Code identifies the type of supply to which the component is intended to be connected.

SC Categories	Code
Branch circuit power	0
CEC Class 2	1
Isolated extra-low voltage (ELV)*	3
Isolated secondary circuit	4
Limited-energy isolated secondary circuit	5
Centralized DC	6

Maximum Voltage (Max V) — The maximum output voltage under any resistive loading condition is indicated in volts peak.

Maximum Amperes (Max A) — The maximum output current under any resistive loading condition is indicated in amperes rms.

Maximum Volt (Max VA) — The maximum output volt-amperes under any resistive loading condition is indicated in volt-amperes rms.

Output Category (OC) — Each output is identified to indicate the type of output.

OC Categories	Code
Branch circuit power	0
CEC Class 2	1
Isolated extra-low voltage (ELV)*	2
Isolated safety extra-low voltage (SELV)*	3
Isolated secondary circuit	4
Hazardous voltage (non-ELV or SELV)	5
RFT	8
* ELV, SELV and hazardous voltage are defined in CAN/CSA-C22.2 No. 60950-1. RFT is defined in CAN/CSA-C22.2 No. 60950-21.	

Spacings (SP) — The standard used in judging spacings (or creepage and clearance distances) is indicated by the standard number.

External Protection (EP) — Tests on the component were conducted with the primary protected by external overcurrent protection.

EP Categories	Code
Specified current rating, branch protection	@B
Specified current rating, time-delay fuse	@T
Specified current rating, not branch protection	@
(@) Indicates current rating of protection in amperes	

Field Connections (FC) — Code indicates whether supply and output connections have been investigated for field connections.

FC Categories	Code
Supply and output not investigated for FC	0
Supply not investigated for FC	1
Output not investigated for FC	2
Supply suitable for FC (+)	3
Output suitable for FC (+)	4
Supply and output suitable for FC (+)	5
Supply suitable for FC (++)	6
Output suitable for FC (++)	7
Supply and output suitable for FC (++)	8
(+) Employs pressure wire terminals or terminal block suitable for field wiring	
(++) Employs a connector, or a cord terminating in a connector	

Grounding Connection (GC) — Units with functional grounding connections (no safety grounding connection) are intended to have dead metal parts bonded to the end-product grounding means.

GC Categories	Code
Only functional grounding provided	0
Provided with safety grounding connection	1
Double-insulated product	2

RELATED PRODUCTS

See Power Supplies, General Purpose Certified for Canada (QQF08).

ADDITIONAL INFORMATION


For additional information, see Power Supplies Certified for Canada (QQAQ8).

REQUIREMENTS

The basic standard currently used to investigate products in this category is CAN/CSA-C22.2 No. 60950-1, "Information Technology Equipment - Safety - Part 1: General Requirements," or CAN/CSA-C22.2 No. 60950-21, "Information Technology Equipment - Safety - Part 21: Remote Power Feeding."

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JPM120PS03[*r]											
100-240ac	50/60	0	3.3	30	150	3	60950-1	20B	5	0	
JPM120PS05[*r]											
100-240ac	50/60	0	5	30	150	3	60950-1	20B	5	0	
JPM120PS07[*r]											
100-240ac	50/60	0	7.5	20	150	3	60950-1	20B	5	0	
JPM120PS12[*r]											
100-240ac	50/60	0	12	12.5	150	3	60950-1	20B	5	0	
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100-240ac	50/60	0	13.5	11.2	150	3	60950-1	20B	5	0	
JPM120PS15[*r]											
100-240ac	50/60	0	15	10	150	3	60950-1	20B	5	0	
JPM120PS24[*r]											
100-240ac	50/60	0	24	6.3	150	3	60950-1	20B	5	0	
JPM120PS27[*r]											
100-240ac	50/60	0	27	5.6	150	3	60950-1	20B	5	0	
JPM120PS48[*r]											
100-240ac	50/60	0	48	3.2	150	3	60950-1	20B	5	0	
JPM160PS03[*r]											
100-240ac	50/60	0	3.3	40	200	3	60950-1	20B	5	0	
JPM160PS05[*r]											
100-240ac	50/60	0	5	40	200	3	60950-1	20B	5	0	
JPM160PS07[*r]											
100-240ac	50/60	0	7.5	26.7	200	3	60950-1	20B	5	0	
JPM160PS12[*r]											
100-240ac	50/60	0	12	16.7	200	3	60950-1	20B	5	0	
JPM160PS13[*r]											
100-240ac	50/60	0	13.5	14.9	200	3	60950-1	20B	5	0	
JPM160PS15[*r]											
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JPM160PS27[*r]											
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JPM160PS48[*r]											
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JPM80PS03[*r]											
100-240ac	50/60	0	3.3	20	66	3	60950-1	20B	0	1	
JPM80PS05											
100-240ac	50/60	0	5.08	23.2	104	3	60950-1	20B	0	1	
JPM80PS07[*r]											

100-240ac	50/60	0	7.5	13.5	101.25	3	60950-1	20B	0	1
JPM80PS12[*r]										
100-240ac	50/60	0	12	8.5	102	3	60950-1	20B	0	1
JPM80PS13[*r]										
100-240ac	50/60	0	13.5	7.5	101.25	3	60950-1	20B	0	1
JPM80PS15[*r]										
100-240ac	50/60	0	15	6.7	100.5	3	60950-1	20B	0	1
JPM80PS24										
100-240ac	50/60	0	24.08	5.2	103	3	60950-1	20B	0	1
JPM80PS27[*r]										
100-240ac	50/60	0	27	3.8	102.6	3	60950-1	20B	0	1
JPM80PS48										
100-240ac	50/60	0	47.9	3.3	134	3	60950-1	20B	0	1



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Power Supplies, Information Technology Equipment Including Electrical Business Equipment - Component

[View Listings](#)

[Page Bottom](#)

[Power Supplies - Component] Power Supplies, Information Technology Equipment Including Electrical Business Equipment - Component

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USE

This category covers component power supplies intended for use in/with information technology and including electrical business equipment. End-use products that employ these types of power supplies are covered under Information Technology Equipment Including Electrical Business Equipment (NWGO).

CONDITIONS OF ACCEPTABILITY

Consideration is to be given to the Conditions of Acceptability specified in the individual Recognitions and/or Reports when these components are employed in the end-use equipment.

REBUILT PRODUCTS

This category also covers Recognized Component power supplies that are rebuilt by the original manufacturer or another party having the necessary facilities, technical knowledge and manufacturing skills. Rebuilt power supplies are rebuilt to the extent necessary by disassembly and reassembly using new or reconditioned parts. Rebuilt power supplies are subject to the same requirements as new power supplies.

CODES

The following summarizes and defines codes shown in the individual Recognitions in addition to those indicated under Power Supplies (QQAQ2).

Supply Category (SC) — Code identifies the type of supply to which the component is intended to be connected.

SC Categories	Code
Branch circuit power	0
NEC Class 2	1
Isolated extra-low voltage (ELV)*	2
Isolated safety extra-low voltage (SELV)*	3
Isolated secondary circuit	4
Limited-energy isolated secondary circuit	5
Centralized DC	6

Maximum Voltage (Max V) — The maximum output voltage under any resistive loading condition is indicated in volts peak.

Maximum Amperes (Max A) — The maximum output current under any resistive loading condition is indicated in amperes rms.

Maximum Volt (Max VA) — The maximum output volt-amperes under any resistive loading condition is indicated in volt-amperes rms.

Output Category (OC) — Each output is identified to indicate the type of output.

OC Categories	Code
NEC Class 1	0
NEC Class 2	1
Isolated extra-low voltage (ELV)*	2
Isolated safety extra-low voltage (SELV)*	3
Isolated secondary circuit	4
Hazardous voltage (non-ELV or SELV)	5
RFT	6
* ELV, SELV and hazardous voltage are defined in ANSI/UL 60950-1. RFT is defined in ANSI/UL 60950-21.	

Spacings (SP) — The standard used in judging spacings (or creepage and clearance distances) is indicated by the standard number.

External Protection (EP) — Tests on the component were conducted with the primary protected by external overcurrent protection.

EP Categories	Code
Specified current rating, branch protection	@B
Specified current rating, time-delay fuse	@T
Specified current rating, not branch protection	@
(@) Indicates current rating of protection in amperes	

Field Connections (FC) — Code indicates whether supply and output connections have been investigated for field connections.

FC Categories	Code
Supply and output not investigated for FC	0
Supply not investigated for FC	1
Output not investigated for FC	2
Supply suitable for FC (+)	3
Output suitable for FC (+)	4
Supply and output suitable for FC (+)	5
Supply suitable for FC (++)	6
Output suitable for FC (++)	7
Supply and output suitable for FC (++)	8
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Grounding Connection (GC) — Units with functional grounding connections (no safety grounding connection) are intended to have dead metal parts bonded to the end-product grounding means.

GC Categories	Code
Only functional grounding provided	0
Provided with safety grounding connection	1
Double-insulated product	2

RELATED PRODUCTS

See Power Supplies, General Purpose (QQFU2).

ADDITIONAL INFORMATION

For additional information, see Power Supplies ([QQAQ2](#)).

REQUIREMENTS

The basic standard currently used to investigate products in this category is [ANSI/UL 60950-1](#), "Information Technology Equipment - Safety - Part 1: General Requirements," or [ANSI/UL 60950-21](#), "Information Technology Equipment - Safety - Part 21: Remote Power Feeding."

* * * * *

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