Power Adapters

AC power adapters

Features and Benefits

- 100 to 240 VAC power input
- -40 to 75°C operating temperature range (-T models)

Certifications

Introduction

The power adapters in Moxa's Power Adapter Series provide a reliable power source for many Moxa products.

Specifications

Input Power Parameters	
Voltage Range	100 to 240 VAC (50 to 60 Hz)
Power Parameters	
Input Plug Type	PWR-AU Models: Australia plug type PWR-CN Models: China plug type PWR-EU Models: Europe plug type PWR-UK Models: United Kingdom plug type PWR-USJP Models: United States/Japan plug type PWR-KR Models: Korea plug type PWR-24250-DT-S1: Desktop
Output Power Rating	PWR-12050 Models: 0.5 A @ 12 VDC PWR-12150 Models: 1.5 A @ 12 VDC PWR-12300 Models: 3 A @ 12 VDC PWR-24250-DT-S1: 2.5 A @ 24 VDC
Output Plug Type	PWR-12050-S1 Models: S-Type 5.5/2.1/7.5 PWR-12050-S2 Models: S-Type 5.5/2.1/9.5 PWR-12150-S2 Models: S-Type 5.5/2.1/9.5 PWR-12300 Models: S-Type 5.5/2.1/7.5 PWR-12150-SA-T Models: L-Type 5.5/2.1/7.5 PWR-24250-DT-S1: S-Type 5.5/2.1/9.5 Outer Diameter: 5.5 ± 0.1 mm (0.22 ± 0.004 in) Inner Diameter: 2.1 ± 0.1 mm (0.08 ± 0.004 in)

Physical Characteristics

Dimensions	PWR-12050-AU-S1: 67.9 x 33.5 x 39.4 mm (2.67 x 1.32 x 1.55 in) PWR-12050-CN-S1: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 in) PWR-12050-EU-S1: 68.0 x 33.0 x 55.0 mm (2.68 x 1.30 x 2.17 in) PWR-12050-KR-S1: 67.7 x 33.0 x 55.1 mm (2.67 x 1.30 x 2.17 in) PWR-12050-UK-S1: 67.8 x 50.3 x 43.0 mm (2.67 x 1.98 x 1.69 in) PWR-12050-USJP-S1: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 in) PWR-12050-AU-S2: 67.9 x 39.4 x 42.5 mm (2.67 x 1.55 x 1.67 in) PWR-12050-CN-S2: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 in) PWR-12050-EU-S2: 68.0 x 33.0 x 55.0 mm (2.68 x 1.30 x 2.17 in) PWR-12050-KR-S2: 67.7 x 33.0 x 55.1 mm (2.67 x 1.30 x 2.17 in) PWR-12050-UK-S2: 67.9 x 50.3 x 43.0 mm (2.67 x 1.98 x 1.69 in) PWR-12050-USJP-S2: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 in) PWR-12150-WPAU-S2: 80.5 x 39.1 x 56.4 mm (3.17 x 1.54 x 2.22 in) PWR-12150-WPCN-S2: 80.5 x 39.1 x 56.4 mm (3.17 x 1.54 x 2.22 in) PWR-12150-WPEU-S2: 80.5 x 39.1 x 56.4 mm (3.17 x 1.54 x 2.22 in) PWR-12300-WPUK-S2: 80.5 x 39.1 x 56.4 mm (3.17 x 1.54 x 2.22 in) PWR-12150-WPUSJP-S2: 80.5 x 39.1 x 56.4 mm (3.17 x 1.54 x 2.22 in) PWR-12150-WPAU-S4: 80.5 x 39.1 x 56.4 mm (3.17 x 1.54 x 2.22 in) PWR-12150-WPCN-S4: 80.5 x 39.1 x 56.4 mm (3.17 x 1.54 x 2.22 in) PWR-12150-WPEU-S4: 80.5 x 39.1 x 56.4 mm (3.17 x 1.54 x 2.22 in) PWR-12150-WPKR-S4: 80.5 x 39.1 x 56.4 mm (3.17 x 1.54 x 2.22 in) PWR-12150-WPUK-S4: 80.5 x 39.1 x 56.4 mm (3.17 x 1.54 x 2.22 in) PWR-12150-WPUSJP-S4: 80.5 x 39.1 x 56.4 mm (3.17 x 1.54 x 2.22 in) PWR-12300-WPAU-S2: 93.0 x 50.0 x 39.6 mm (3.66 x 1.97 x 1.56 in) PWR-12300-WPCN-S2: 93.0 x 50.0 x 39.6 mm (3.66 x 1.97 x 1.56 in) PWR-12300-WPEU-S2: 93.0 x 50.0 x 39.6 mm (3.66 x 1.97 x 1.56 in) PWR-12300-WPUK-S2: 93.0 x 50.0 x 39.6 mm (3.66 x 1.97 x 1.56 in) PWR-12300-WPUSJP-S2: 93.0 x 50.0 x 39.6 mm (3.66 x 1.97 x 1.56 in) PWR-12150-AU-SA-T: 41 x 73.9 x 89.5 mm (1.61 x 2.91 x 3.52 in) PWR-12150-CN-SA-T: 32 x 60 x 88 mm (1.26 x 2.36 x 3.46 in) PWR-12150-EU-SA-T: 32 x 85.3 x 88 mm (1.26 x 3.36 x 3.46 in) PWR-12150-UK-SA-T: 50 x 91 x 82.5 mm (1.97 x 3.58 x 3.25 in) PWR-12150-USJP-SA-T: 32 x 70.3 x 88 mm (1.26 x 2.77 x 3.46 in) PWR-24250-DT-S1: 133 x 59.1 x 34.4 mm (5.24 x 2.33 x 1.35 in)
Weight	PWR-12050 Models: 71~87 g (0.16 ~ 0.19 lb) PWR-12150 Models: 200 g (0.44 lb) PWR-12150-S2 Models: 115 g (0.25 lb) PWR-12300-S1 Models: 163 g (0.36 lb) PWR-24250-DT-S1: 330 g (0.73 lb)
Cord Length	PWR-12050 Models: 1500±100 mm (59.06±3.94 in) PWR-12150 Models: 1500±100 mm (59.06±3.94 in) PWR-12300 Models: 1500±100 mm (59.06±3.94 in) PWR-24250-DT-S1: 1500±100 mm (59.06±3.94 in)

Environmental Limits

Operating Temperature	Standard Models: 0 to 40°C (32 to 104°F) Wide Temp. Models: -40 to 75°C (-40 to 167°F)
Storage Temperature	Standard Models: -20 to 70°C (-4 to 158°F) Wide Temp. Models: -40 to 75°C (-40 to 167°F)

Standards and Certifications

Safety	PWR-12050-AU Models: RCM PWR-12050-CN Models: CCC PWR-12050-EU Models: CE/GS PWR-12050-KR Models: KCC PWR-12050-UK Models: CE PWR-12050-USJP Models: FCC/UL/PSE PWR-12150 Models: CE/FCC/UL/RCM/PSE/CCC/GS/KCC PWR-12300 Models: CE/FCC/UL/RCM/PSE/CCC/GS PWR-12150-AU-SA-T: RCM PWR-12150-CN-SA-T: CCC PWR-12150-EU-SA-T: TUV/CE/GS PWR-12150-UK-SA-T: CE PWR-12150-USJP-SA-T: FCC/UL/PSE PWR-24250-DT-S1: CE/FCC/UL/RCM/PSE/CCC/GS

Warranty

Warranty Period	1.5 years
Details	See www.moxa.com/warranty

Ordering Information

Model Name	Barrel-plug Type	Input-plug Type	Output Rating	Operating Temperature
PWR-12050-AU-S1	Locking	AU	0.5 A @ 12 VDC	0 to 40°C
PWR-12050-CN-S1	Locking	CN	0.5 A @ 12 VDC	0 to 40°C
PWR-12050-EU-S1	Locking	EU	0.5 A @ 12 VDC	0 to 40°C
PWR-12050-KR-S1	Locking	KR	0.5 A @ 12 VDC	0 to 40°C
PWR-12050-UK-S1	Locking	UK	0.5 A @ 12 VDC	0 to 40°C
PWR-12050-USJP-S1	Locking	US/JP	0.5 A @ 12 VDC	0 to 40°C
PWR-12050-AU-S2	Non-locking	AU	0.5 A @ 12 VDC	0 to 40°C
PWR-12050-CN-S2	Non-locking	CN	0.5 A @ 12 VDC	0 to 40°C
PWR-12050-EU-S2	Non-locking	EU	0.5 A @ 12 VDC	0 to 40°C
PWR-12050-KR-S2	Non-locking	KR	0.5 A @ 12 VDC	0 to 40°C
PWR-12050-UK-S2	Non-locking	UK	0.5 A @ 12 VDC	0 to 40°C
PWR-12050-USJP-S2	Non-locking	US/JP	0.5 A @ 12 VDC	0 to 40°C
PWR-12150-WPAU-S2	Non-locking	AU	1.5 A @ 12 VDC	0 to 40°C
PWR-12150-WPCN-S2	Non-locking	CN	1.5 A @ 12 VDC	0 to 40°C
PWR-12150-WPEU-S2	Non-locking	EU	1.5 A @ 12 VDC	0 to 40°C
PWR-12150-WPUK-S2	Non-locking	UK	1.5 A @ 12 VDC	0 to 40°C
PWR-12150-WPUSJP-S2	Non-locking	US/JP	1.5 A @ 12 VDC	0 to 40°C
PWR-12150-WPAU-S4	Locking	AU	1.5 A @ 12 VDC	0 to 40°C
PWR-12150-WPCN-S4	Locking	CN	1.5 A @ 12 VDC	0 to 40°C
PWR-12150-WPEU-S4	Locking	EU	1.5 A @ 12 VDC	0 to 40°C
PWR-12150-WPKR-S4	Locking	KR	1.5 A @ 12 VDC	0 to 40°C
PWR-12150-WPUK-S4	Locking	UK	1.5 A @ 12 VDC	0 to 40°C
PWR-12150-WPUSJP-S4	Locking	US/JP	1.5 A @ 12 VDC	0 to 40°C
PWR-12300-WPAU-S2	Locking	AU	3 A @ 12 VDC	0 to 40°C
PWR-12300-WPCN-S2	Locking	CN	3 A @ 12 VDC	0 to 40°C
PWR-12300-WPEU-S2	Locking	EU	3 A @ 12 VDC	0 to 40°C
PWR-12300-WPUK-S2	Locking	UK	3 A @ 12 VDC	0 to 40°C
PWR-12300-WPUSJP-S2	Locking	US/JP	3 A @ 12 VDC	0 to 40°C
PWR-12150-AU-SA-T	Locking	AU	1.5 A @ 12 VDC	-40 to 75°C
PWR-12150-CN-SA-T	Locking	CN	1.5 A @ 12 VDC	-40 to 75°C
PWR-12150-EU-SA-T	Locking	EU	1.5 A @ 12 VDC	-40 to 75°C
PWR-12150-UK-SA-T	Locking	UK	1.5 A @ 12 VDC	-40 to 75°C
PWR-12150-USJP-SA-T	Locking	US/JP	1.5 A @ 12 VDC	-40 to 75°C
PWR-24250-DT-S1	Non-locking	Desktop	2.5 A @ 24 VDC	0 to 40°C

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