

# 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)
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### Power Parameters

Input Plug Type	PWR-AU Series: Australia plug type PWR-CN Series: China plug type PWR-EU Series: Europe plug type PWR-UK Series: United Kingdom plug type PWR-USJP Series: United States/Japan plug type PWR-KR Series: Korea plug type
Output Power Rating	PWR-12050 Series: 0.5 A @ 12 VDC PWR-12125-USJP-S1: 1.25 A @ 12 VDC PWR-12150 Series: 1.5 A @ 12 VDC PWR-12125-DT-S2: 1.25 A @ 12 VDC PWR-12200-DT-S1: 2 A @ 12 VDC PWR-12300 Series: 3 A @ 12 VDC
Output Plug Type	PWR-12050-S1 Series: S-Type 5.5/2.1/7.5 PWR-12050-S2 Series: S-Type 5.5/2.1/9.5 PWR-12125-USJP-S1: L-Type 5.5/2.1/9.5 PWR-12150 Series: L-Type 5.5/2.1/9.0 PWR-12150-S2 Series: S-Type 5.5/2.1/9.5 PWR-12200-DT-S1: S-Type 5.5/2.1/7.5 PWR-12300 Series: S-Type 5.5/2.1/7.5 PWR-12150-SA-T Series: L-Type 5.5/2.1/7.5 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

<p><b>Dimensions</b></p>	<p>PWR-12050-AU-S1: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 in)  PWR-12050-AU-S2: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 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-CN-S2: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 in)  PWR-12050-EU-S1: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 in)  PWR-12050-EU-S2: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 in)  PWR-12050-KR-S1: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 in)  PWR-12050-KR-S2: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 in)  PWR-12050-UK-S1: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 in)  PWR-12050-UK-S2: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 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-USJP-S2: 67.8 x 33.0 x 39.0 mm (2.67 x 1.30 x 1.54 in)  PWR-12125-DT-S2: 75 x 47.5 x 27.3 mm (2.95 x 1.87 x 1.07 in)  PWR-12125-USJP-S1: 74 x 43.5 x 52.5 mm (2.91 x 1.71 x 2.07 in)  PWR-12150-AU-S2: 70 x 55 x 56 mm (2.76 x 2.17 x 2.21 in)  PWR-12150-CN-S1: 70 x 45 x 54 mm (2.76 x 1.77 x 2.13 in)  PWR-12150-EU-S2: 70 x 45 x 66.5 mm (2.76 x 1.77 x 2.62 in)  PWR-12150-UK-S2: 70 x 48 x 60 mm (2.76 x 1.89 x 2.36 in)  PWR-12150-WPAU-S2: 39.0 x 80.5 x 56.5 mm (1.54 x 3.17 x 2.22 in)  PWR-12150-WPCN-S2: 39.0 x 80.5 x 56.5 mm (1.54 x 3.17 x 2.22 in)  PWR-12150-WPEU-S2: 39.0 x 80.5 x 56.5 mm (1.54 x 3.17 x 2.22 in)  PWR-12150-WPUK-S2: 39.0 x 80.5 x 56.5 mm (1.54 x 3.17 x 2.22 in)  PWR-12150-WPUSJP-S2: 39.0 x 80.5 x 56.5 mm (1.54 x 3.17 x 2.22 in)  PWR-12200-DT-S1: 110.8 x 51.8 x 32 mm (4.36 x 2.04 x 1.26 in)  PWR-12300-WPAU-S1: 74 x 43.5 x 63.3 mm (2.91 x 1.71 x 2.49 in)  PWR-12300-WPCN-S1: 74 x 43.5 x 51.3 mm (2.91 x 1.71 x 2.02 in)  PWR-12300-WPEU-S1: 74 x 43.5 x 73.5 mm (2.91 x 1.71 x 2.89 in)  PWR-12300-WPUK-S1: 74 x 43.5 x 61 mm (2.91 x 1.71 x 2.40 in)  PWR-12300-WPUSJP-S1: 74 x 43.5 x 52.3 mm (2.91 x 1.71 x 2.06 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)</p>
<p><b>Weight</b></p>	<p>PWR-12050 Series: 71~87 g ( 0.16 ~ 0.19 lb )  PWR-12125-US-JP-S1: 108 g (0.24 lb )  PWR-12150 Series: 200 g ( 0.44 lb )  PWR-12150-S2 Series: 115 g ( 0.25 lb )  PWR-12300-S1 Series: 163 g ( 0.36 lb )  PWR-DT Series: 200 g ( 0.44 lb )</p>
<p><b>Cord Length</b></p>	<p>PWR-12050-S1 Series: 1500±100 mm (59.06±3.94 in)  PWR-12050-S2 Series: 1500±100 mm (59.06±3.94 in)  PWR-12125-USJP-S1: 1530±100 mm (60.24±3.84 in)  PWR-12150 Series: 1500±100 mm (59.06±3.94 in)  PWR-12300 Series: 1530±200 mm (60.24±7.87 in)  PWR-12200-DT-S1: 1800±200 mm (70.87±7.87 in)  PWR-12125-DT-S2: 1530±100 mm (60.24±3.94 in)</p>
<p><b>Environmental Limits</b></p>	
<p><b>Operating Temperature</b></p>	<p>Standard Models: 0 to 40°C (32 to 104°F)  Wide Temp. Models: -40 to 75°C (-40 to 167°F)</p>
<p><b>Storage Temperature</b></p>	<p>Standard Models: -20 to 70°C (-4 to 158°F)  Wide Temp. Models: -40 to 75°C (-40 to 167°F)</p>

## Standards and Certifications

Safety	<p>PWR-12050-AU Series: RCM  PWR-12050-CN Series: CCC  PWR-12050-EU Series: CE/GS  PWR-12050-KR Series: KCC  PWR-12050-UK Series: CE  PWR-12050-USJP Series: FCC/UL/PSE  PWR-12300 Series: CE/FCC/UL/RCM/PSE/CCC/GS  PWR-12125-USJP-S1: CE/FCC/UL/RCM/PSE/GS  PWR-12150 Series: CE/FCC/UL/RCM/PSE/CCC/GS/KCC  PWR-12200-DT-S1: Efficiency Level 5: CE/FCC/UL/RCM/PSE/CCC; Efficiency Level 6: CE/FCC/UL/PSE  PWR-12125-DT-S2: CE/FCC/UL/PSE/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</p>
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## Warranty

Warranty Period	1 years
Details	See <a href="http://www.moxa.com/warranty">www.moxa.com/warranty</a>

## 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 (32 to 104°F)
PWR-12050-CN-S1	Locking	CN	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-EU-S1	Locking	EU	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-KR-S1	Locking	KR	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-UK-S1	Locking	UK	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-USJP-S1	Locking	US/JP	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-AU-S2	Non-locking	AU	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-CN-S2	Non-locking	CN	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-EU-S2	Non-locking	EU	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-KR-S2	Non-locking	KR	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-UK-S2	Non-locking	UK	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-USJP-S2	Non-locking	US/JP	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12300-WPAU-S1	Locking	AU	3 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12300-WPCN-S1	Locking	CN	3 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12300-WPEU-S1	Locking	EU	3 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12300-WPUK-S1	Locking	UK	3 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12300-WPUSJP-S1	Locking	US/JP	3 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12150-WPAU-S2	Non-locking	AU	1.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12150-WPCN-S2	Non-locking	CN	1.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12150-WPEU-S2	Non-locking	EU	1.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12150-WPUK-S2	Non-locking	UK	1.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12150-WPUSJP-S2	Non-locking	US/JP	1.25 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12150-AU-SA-T	Locking	AU	1.5 A @ 12 VDC	-40 to 75°C (-40 to 167°F)

Model Name	Barrel-plug Type	Input-plug Type	Output Rating	Operating Temperature
PWR-12150-CN-SA-T	Locking	CN	1.5 A @ 12 VDC	-40 to 75°C (-40 to 167°F)
PWR-12150-EU-SA-T	Locking	EU	1.5 A @ 12 VDC	-40 to 75°C (-40 to 167°F)
PWR-12150-UK-SA-T	Locking	UK	1.5 A @ 12 VDC	-40 to 75°C (-40 to 167°F)
PWR-12150-USJP-SA-T	Locking	US/JP	1.5 A @ 12 VDC	-40 to 75°C (-40 to 167°F)
PWR-12200-DT-S1	Locking	Desktop	2 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12125-DT-S2	Locking	Desktop	1.25 A @ 12 VDC	0 to 40°C (32 to 104°F)

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