

Power Adapters

AC power supplies



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
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-12300 Series: S-Type 5.5/2.1/7.5 PWR-12050-S2 Series: L-Type 5.5/2.1/9.0 PWR-12125-USJP-S1: L-Type 5.5/2.1/9.5 PWR-12150 Series: L-Type 5.5/2.1/9.0 PWR-12125-DT-S2: S-Type 5.5/2.1/7.5 PWR-12200-DT-S1: 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>Dimensions</p>	<p>PWR-12050-WPAU-S1: 64 x 40.5 x 58.5 mm (2.52 x 1.59 x 2.30 in) PWR-12050-WPAU-S2: 64 x 40.5 x 56.2 mm (2.52 x 1.59 x 2.30 in) PWR-12050-WPCN-S1: 64 x 40.5 x 46.5 mm (2.52 x 1.59 x 1.83 in) PWR-12050-WPCN-S2: 64 x 40.5 x 46.5 mm (2.52 x 1.59 x 1.83 in) PWR-12050-WPEU-S1: 64 x 40.5 x 68.7 mm (2.52 x 1.59 x 2.71 in) PWR-12050-WPEU-S2: 64 x 40.5 x 68.7 mm (2.52 x 1.59 x 2.71 in) PWR-12050-WPUK-S1: 64 x 40.5 x 56.2 mm (2.52 x 1.59 x 2.21 in) PWR-12050-WPUK-S2: 64 x 40.5 x 56.2 mm (2.52 x 1.59 x 2.21 in) PWR-12050-WPUSJP-S1: 64 x 40.5 x 47.5 mm (2.52 x 1.59 x 1.87 in) PWR-12050-WPUSJP-S2: 64 x 40.5 x 30 mm (2.52 x 1.59 x 1.18 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-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-12125-DT-S2: 75 x 47.5 x 27.3 mm (2.95 x 1.87 x 1.07 in) PWR-12200-DT-S1: 110.8 x 51.8 x 32 mm (4.36 x 2.04 x 1.26 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>Weight</p>	<p>PWR-12050 Series: 70 g (0.15 lb) PWR-12125-US-JP-S1: 108 g (0.24 lb) PWR-12150 Series: 200 g (0.44 lb) PWR-12300-S1 Series: 163 g (0.36 lb) PWR-DT Series: 200 g (0.44 lb)</p>
<p>Cord Length</p>	<p>PWR-12050-S1 Series: 1530±100 mm (60.24±3.94 in) PWR-12050-S2 Series: 1830±100 mm (72.05±3.94 in) PWR-12125-USJP-S1: 1530±100 mm (60.24±3.84 in) PWR-12150 Series: 1800±200 mm (70.87±7.87 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>Environmental Limits</p>	
<p>Operating Temperature</p>	<p>Standard models: 0 to 40°C (32 to 104°F) Wide T models: -40 to 75°C (-40 to 167°F)</p>
<p>Storage Temperature</p>	<p>Standard models: -20 to 70°C (-4 to 158°F) Wide T models: -40 to 75°C (-40 to 167°F)</p>
<p>Standards and Certifications</p>	
<p>Safety</p>	<p>PWR-12050-S1 Series: CE/FCC/UL/RCM/PSE/CCC/GS PWR-12300 Series: CE/FCC/UL/RCM/PSE/CCC/GS PWR-12050-S2 Series: CE/FCC/UL/RCM/PSE/CCC PWR-12125-USJP-S1: CE/FCC/UL/RCM/PSE/GS PWR-12150-AU-S2: RCM PWR-12150-CN-S1: CCC PWR-12150-EU-S2: CE/GS PWR-12150-UK-S2: CE 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>

Warranty

Details	See www.moxa.com/warranty
Warranty Period	1 years

Ordering Information

Model Name	Barrel-plug Type	Input-plug Type	Output Rating	Operating Temperature
PWR-12050-WPAU-S1	Locking	AU	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-WPCN-S1	Locking	CN	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-WPEU-S1	Locking	EU	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-WPUK-S1	Locking	UK	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-WPUSJP-S1	Locking	US/JP	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-WPAU-S2	Non-locking	AU	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-WPCN-S2	Non-locking	CN	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-WPEU-S2	Non-locking	EU	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-WPUK-S2	Non-locking	UK	0.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12050-WPUSJP-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-AU-S2	Non-locking	AU	1.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12150-CN-S1	Non-locking	CN	1.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12150-EU-S2	Non-locking	EU	1.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12150-UK-S2	Non-locking	UK	1.5 A @ 12 VDC	0 to 40°C (32 to 104°F)
PWR-12125-USJP-S1	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)
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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