

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

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|---------------|------------------------------|
| Voltage Range | 100 to 240 VAC (50 to 60 Hz) |
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Power Parameters

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|---------------------|---|
| 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 |
| Output Power Rating | PWR-12050 Models: 0.5 A @ 12 VDC PWR-12150 Models: 1.5 A @ 12 VDC PWR-12200-DT-S1: 2 A @ 12 VDC PWR-12300 Models: 3 A @ 12 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-12200-DT-S1: S-Type 5.5/2.1/7.5 PWR-12300 Models: S-Type 5.5/2.1/7.5 PWR-12150-SA-T Models: L-Type 5.5/2.1/7.5 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

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| <p>Dimensions</p> | <p>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-12200-DT-S1: 110.8 x 51.8 x 32 mm (4.36 x 2.04 x 1.26 in)</p> |
| <p>Weight</p> | <p>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-DT Models: 200 g (0.44 lb)</p> |
| <p>Cord Length</p> | <p>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-12200-DT-S1: 1800±200 mm (70.87±7.87 in)</p> |
| <p>Environmental Limits</p> | |
| <p>Operating Temperature</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>Storage Temperature</p> | <p>Standard Models: -20 to 70°C (-4 to 158°F) Wide Temp. Models: -40 to 75°C (-40 to 167°F)</p> |
| <p>Standards and Certifications</p> | |
| <p>Safety</p> | <p>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-12200-DT-S1: Efficiency Level 5: CE/FCC/UL/RCM/PSE/CCC; Efficiency Level 6: CE/FCC/UL/PSE 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

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|-----------------|--|
| Warranty Period | 1 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-12200-DT-S1 | Locking | Desktop | 2 A @ 12 VDC | 0 to 40°C |

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