

Basic Metered PDU

PE1109 / PE1209 / PE1118S / PE1218S / PE1116S / PE1216S / PE1224S / PE1316S / PE1324S / PE1316B / PE1324B Series

Engineered to enhance the efficiency of power distribution and power status monitoring in an IT environment, the ATEN Basic Metered PDU Series contains 0U / 1U members with 9 / 16 / 18 / 24 outlets and is available in IEC or NEMA (PE1316B / PE1324B excluded) socket configurations. The compact form factor plus the support for rack mount installation helps to save space and eliminates clutter. Benefits from the built-in surge protection module (PE1109 / PE1209 / PE1316B / PE1324B excluded), the IT devices connected to the PDU are well-protected from sudden surges in electricity. The equipment downtime is reduced as a result of the overcurrent protection design.

To monitor the power status of the connected devices, the units feature dual 3-digit 7-segment displays to show the input voltage and output current in real-time. The Basic Metered PDUs provide secure, centralized power usage of data center IT equipment, including servers, storage systems, KVM switches, network devices, to optimize power consumption and asset management.

PE1324S Front View



PE1118S Front View

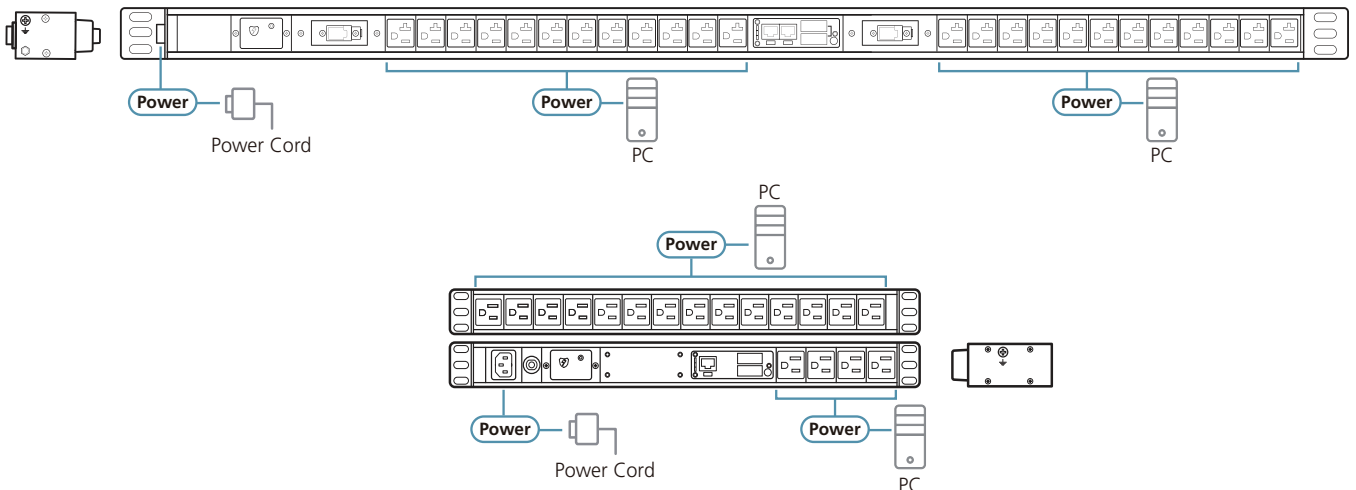


PE1118S Rear View



Features

- Space saving 0U / 1U rack mount design
- IEC or NEMA outlet models
- Overcurrent protection
- Surge protection (PE1109 / PE1209 / PE1316B / PE1324B excluded)
- Dual 3-digit 7-segment displays to show current and voltage
- Real-time PDU current monitoring when used in conjunction with the EC1000 Energy Box



Note: (1) As there are many Basic Metered PDUs, PE1324S (top) and PE1118S (bottom) are the respective 0U and 1U examples used here.
 (2) For safety reasons, the equipment should be installed near a wall socket outlet and the disconnected device (appliance coupler on detachable power cord or plug on nondetachable power cord) should be readily accessible.

Specifications

| | PE1109A | PE1109G |
|------------------------------------|---|---|
| Electrical | | |
| Nominal Input Voltage | 100 - 120 VAC | 100 - 240 VAC |
| Maximum Input Current | 15A (Max);12A (UL de-rated); 10A (PSE) | 10A (Max) |
| Input Frequency | 50 - 60 Hz | 50 - 60 Hz |
| Input Connection | NEMA 5-15P | IEC 60320 C14 |
| Input Power | 1800VA (Max); 1440VA (UL de-rated) | 2400VA (Max) |
| Outlet Type | (9) NEMA 5-15R | (9) IEC 60320 C13 |
| Maximum Output Current (Outlet) | 15A (Max);12A (UL de-rated); 10A (PSE) | 10A (Max) |
| Maximum Output Current (Bank) | 15A (Max);12A (UL de-rated); 10A (PSE) | 10A (Max) |
| Maximum Output Current (Total) | 15A (Max);12A (UL de-rated); 10A (PSE) | 10A (Max) |
| OPD(Overcurrent Protection Device) | Yes | Yes |
| Environmental | | |
| Temperature (Operating / Storage) | 0 – 40°C / -20 – 60°C | 0 – 40°C / -20 – 60°C |
| Elevation (Operating / Storage) | 3000 m | 3000 m |
| Physical Properties | | |
| Dimensions (L x W x H) | 48.20 x 4.44 x 6.00 cm (18.98 x 1.75 x 2.36 in.) | 48.20 x 4.44 x 6.00 cm (18.98 x 1.75 x 2.36 in.) |
| Weight | 0.75 kg (1.65 lb) | 0.75 kg (1.65 lb) |
| Power Cord Length | 10ft (14#) | 10ft (3×1.0mm ²) |
| Compliance | | |
| EMC Verification | FCC Class A | CE Class A |
| Safety Verification | Upon Request | CE, LVD |

Specifications

| | PE1209A | PE1209B | PE1209G |
|-------------------------------------|---|---|---|
| Electrical | | | |
| Nominal Input Voltage | 100 - 120 VAC | 100 - 240 VAC | 100 - 240 VAC |
| Maximum Input Current | 20A (Max); 16A (UL de-rated) | 20A (Max); 16A (UL de-rated) | 16A (Max) |
| Input Frequency | 50 - 60 Hz | 50 - 60 Hz | 50 - 60 Hz |
| Input Connection | For A Plug: NEMA L5-20P; For A2 Plug: NEMA 5-20P | NEMA L6-20P | IEC 60320 C20 |
| Input Power | 2400VA (Max); 1920VA (UL de-rated) | 4800VA (Max); 3840VA (UL de-rated) | 3840VA (Max) |
| Outlet Type | (9) NEMA 5-20R | (9) IEC 60320 C13 | (9) IEC 60320 C13 |
| Maximum Output Current (Outlet) | 20A (Max); 16A (UL de-rated) | 15A (Max); 12A (UL de-rated) | 10A (Max) |
| Maximum Output Current (Bank) | 20A (Max); 16A (UL de-rated) | 20A (Max); 16A (UL de-rated) | 16A (Max) |
| Maximum Output Current (Total) | 20A (Max); 16A (UL de-rated) | 20A (Max); 16A (UL de-rated) | 16A (Max) |
| OPD (Overcurrent Protection Device) | Yes | Yes | Yes |
| Environmental | | | |
| Temperature (Operating / Storage) | 0 – 40 °C / -20 – 60 °C | 0 – 40 °C / -20 – 60 °C | 0 – 40 °C / -20 – 60 °C |
| Elevation (Operating / Storage) | 3000 m | 3000 m | 3000 m |
| Physical Properties | | | |
| Dimensions (L x W x H) | 48.20 x 4.44 x 6.10 cm (18.98 x 1.75 x 2.40 in.) | 48.20 x 4.44 x 6.10 cm (18.98 x 1.75 x 2.40 in.) | 48.20 x 4.44 x 6.10 cm (18.98 x 1.75 x 2.40 in.) |
| Weight | 0.80 kg (1.76 lb) | 0.80 kg (1.76 lb) | 0.80 kg (1.76 lb) |
| Power Cord Length | 10ft (12#) | 10ft (12#) | 10ft (3x1.5mm ²) |
| Compliance | | | |
| EMC Verification | FCC Class A | FCC Class A | CE Class A |
| Safety Verification | Upon Request | Upon Request | CE, LVD |

Specifications

| | PE1118SA | PE1118SG |
|------------------------------------|---|---|
| Electrical | | |
| Nominal Input Voltage | 100 - 120 VAC | 100 - 240 VAC |
| Maximum Input Current | 15A (Max); 12A (UL de-rated) | 10A (Max) |
| Input Frequency | 50 - 60 Hz | 50 - 60 Hz |
| Input Connection | NEMA 5-15P | IEC 60320 C14 |
| Input Power | 1800VA (Max); 1440VA (UL de-rated) | 2400VA (Max) |
| Outlet Type | (18) NEMA 5-15R | (18) IEC 60320 C13 |
| Maximum Output Current (Outlet) | 15A (Max); 12A (UL de-rated); 10A (PSE) | 10A (Max) |
| Maximum Output Current (Bank) | 15A (Max); 12A (UL de-rated); 10A (PSE) | 10A (Max) |
| Maximum Output Current (Total) | 15A (Max); 12A (UL de-rated); 10A (PSE) | 10A (Max) |
| OPD(Overcurrent Protection Device) | Yes | Yes |
| Environmental | | |
| Temperature (Operating / Storage) | 0 – 40 °C / -20 – 60 °C | 0 – 40 °C / -20 – 60 °C |
| Elevation (Operating / Storage) | 3000 m | 3000 m |
| Physical Properties | | |
| Dimensions (L x W x H) | 44.00 x 4.44 x 8.85 cm (17.32 x 1.75 x 3.48 in.) | 44.00 x 4.44 x 8.85 cm (17.32 x 1.75 x 3.48 in.) |
| Weight | 1.30 kg (2.86 lb) | 1.30 kg (2.86 lb) |
| Power Cord Length | 10ft (14#) | 10ft (3x1.0mm ²) |
| Compliance | | |
| EMC Verification | FCC Class A | CE Class A |
| Safety Verification | Upon Request | CE,LVD |

Specifications

| | PE1218SA | PE1218SB | PE1218SG |
|-------------------------------------|---|---|---|
| Electrical | | | |
| Nominal Input Voltage | 100 - 120 VAC | 100 - 240 VAC | 100 - 240 VAC |
| Maximum Input Current | 20A (Max); 16A (UL de-rated) | 20A (Max); 16A (UL de-rated) | 16A Max |
| Input Frequency | 50 - 60 Hz | 50 - 60 Hz | 50 - 60 Hz |
| Input Connection | For A Plug: NEMA L5-20P For A2 Plug: NEMA 5-20P | NEMA L6-20P | IEC 60320 C20 |
| Input Power | 2400VA (Max); 1920VA (UL de-rated) | 4800VA (Max); 3840VA (UL de-rated) | 3840VA (Max) |
| Outlet Type | (18) NEMA 5-20R | (18) IEC 60320 C13 | (18) IEC 60320 C13 |
| Maximum Output Current (Outlet) | 20 Max; (UL de-rated 16A Max) | 15A Max; (UL de-rated 12A Max) | 10A (Max) |
| Maximum Output Current (Bank) | 20 Max; (UL de-rated 16A Max) | 20A Max; (UL de-rated 16A Max) | 16A (Max) |
| Maximum Output Current (Total) | 20A Max; (UL de-rated 16A Max) | 20A Max; (UL de-rated 16A Max) | 16A (Max) |
| OPD (Overcurrent Protection Device) | Yes | Yes | Yes |
| Environmental | | | |
| Temperature (Operating / Storage) | 0 – 40 °C / -20 – 60 °C | 0 – 40 °C / -20 – 60 °C | 0 – 40 °C / -20 – 60 °C |
| Elevation (Operating / Storage) | 3000 m | 3000 m | 3000 m |
| Physical Properties | | | |
| Dimensions (L x W x H) | 48.20 x 4.44 x 8.85 cm (18.98 x 1.75 x 3.48 in.) | 48.20 x 4.44 x 8.85 cm (18.98 x 1.75 x 3.48 in.) | 48.20 x 4.44 x 8.85 cm (18.98 x 1.75 x 3.48 in.) |
| Weight | 1.30 kg (2.86 lb) | 1.30 kg (2.86 lb) | 1.30 kg (2.86 lb) |
| Power Cord Length | 10ft (12#) | 10ft (12#) | 10ft (3x1.5mm ²) |
| Compliance | | | |
| EMC Verification | FCC Class A | FCC Class A | CE Class A |
| Safety Verification | Upon Request | Upon Request | CE,LVD |

Specifications

| | PE1116SA | PE1116SG |
|-------------------------------------|---|---|
| Electrical | | |
| Nominal Input Voltage | 100 - 120 VAC | 100 - 240 VAC |
| Maximum Input Current | 15A (Max);12A (UL de-rated); 10A (PSE) | 10A (Max) |
| Input Frequency | 50 - 60 Hz | 50 - 60 Hz |
| Input Connection | NEMA 5-15P | IEC 60320 C14 |
| Input Power | 1800VA (Max);1440VA (UL de-rated) | 2400VA (Max) |
| Outlet Type | (16) NEMA 5-15R | (16) IEC 60320 C13 |
| Maximum Output Current (Outlet) | 15A (Max);12A (UL de-rated); 10A (PSE) | 10A (Max) |
| Maximum Output Current (Bank) | 15A (Max);12A (UL de-rated); 10A (PSE) | 10A (Max) |
| Maximum Output Current (Total) | 15A (Max);12A (UL de-rated); 10A (PSE) | 10A (Max) |
| OPD (Overcurrent Protection Device) | Yes | Yes |
| Environmental | | |
| Temperature (Operating / Storage) | 0 – 40 °C / -20 – 60 °C | 0 – 40 °C / -20 – 60 °C |
| Elevation (Operating / Storage) | 3000 m | 3000 m |
| Physical Properties | | |
| Dimensions (L x W x H) | 96.71 x 4.44 x 6.00 cm (38.07 x 1.75 x 2.36 in.) | 96.71 x 4.44 x 6.00 cm (38.07 x 1.75 x 2.36 in.) |
| Weight | 1.30 kg (2.86 lb) | 1.30 kg (2.86 lb) |
| Power Cord Length | 10ft (10#) | 10ft (3x4mm ²) |
| Compliance | | |
| EMC Verification | FCC Class A | CE Class A |
| Safety Verification | Upon Request | CE,LVD |

Specifications

| | PE1216SA | PE1216SB | PE1216SG |
|-------------------------------------|---|---|---|
| Electrical | | | |
| Nominal Input Voltage | 100 - 120 VAC | 100 - 240 VAC | 100 - 240 VAC |
| Maximum Input Current | 20A (Max);16A (UL de-rated) | 20A (Max);16A (UL de-rated) | 16A (Max) |
| Input Frequency | 50 - 60 Hz | 50 - 60 Hz | 50 - 60 Hz |
| Input Connection | For A plug: NEMA L5-20P; For A2 plug: NEMA 5-20P | NEMA L6-20P | IEC 60320 C20 |
| Input Power | 2400VA (Max); 1920VA (UL de-rated) | 4800VA (Max); 3840VA (UL de-rated) | 3840VA (Max) |
| Outlet Type | (16) NEMA 5-20R | (16) IEC 60320 C13 | (16) IEC 60320 C13 |
| Maximum Output Current (Outlet) | 20A (Max); 16A(UL de-rated) | 15A (Max); 12A(UL de-rated) | 10A (Max) |
| Maximum Output Current (Bank) | 20A (Max); 16A (UL de-rated) | 20A (Max); 16A(UL de-rated) | 16A (Max) |
| Maximum Output Current (Total) | 20A (Max); 16A (UL de-rated) | 20A (Max); 16A (UL de-rated) | 16A (Max) |
| OPD (Overcurrent Protection Device) | Yes | Yes | Yes |
| Environmental | | | |
| Temperature (Operating / Storage) | 0 – 40 °C / -20 – 60 °C | 0 – 40 °C / -20 – 60 °C | 0 – 40 °C / -20 – 60 °C |
| Elevation (Operating / Storage) | 3000 m | 3000 m | 3000 m |
| Physical Properties | | | |
| Dimensions (L x W x H) | 96.71 x 4.44 x 6.00 cm (38.07 x 1.75 x 2.36 in.) | 96.71 x 4.44 x 6.00 cm (38.07 x 1.75 x 2.36 in.) | 96.71 x 4.44 x 6.00 cm (38.07 x 1.75 x 2.36 in.) |
| Weight | 1.30 kg (2.86 lb) | 1.30 kg (2.86 lb) | 1.30 kg (2.86 lb) |
| Power Cord Length | 10ft (12#) | 10ft (12#) | 10ft (3x1.5mm ²) |
| Compliance | | | |
| EMC Verification | FCC Class A | FCC Class A | CE Class A |
| Safety Verification | Upon Request | Upon Request | CE,LVD |

Specifications

| | PE1224SA | PE1224SB | PE1224SG |
|-------------------------------------|--|--|---|
| Electrical | | | |
| Nominal Input Voltage | 100 - 120 VAC | 100 - 240 VAC | 100 - 240 VAC |
| Maximum Input Current | 20A (Max);16A (UL de-rated) | 20A (Max);16A (UL de-rated) | 16A (Max) |
| Input Frequency | 50 - 60 Hz | 50 - 60 Hz | 50 - 60 Hz |
| Input Connection | For A plug: NEMA L5-20P; For A2 plug: NEMA 5-20P | NEMA L6-20P | IEC 60320 C20 |
| Input Power | 2400VA (Max); 1920VA (UL de-rated) | 4800VA (Max); 3840VA (UL de-rated) | 3840VA (Max) |
| Outlet Type | (24) NEMA 5-20R | (22) IEC 60320 C13, (2) IEC 60320 C19 | (22) IEC 60320 C13, (2) IEC 60320 C19 |
| Maximum Output Current (Outlet) | 20A (Max); 16A(UL de-rated) | C19: 20A (Max); 16A (UL de-rated) C13: 15A (Max); 12A (UL de-rated) | C19: 16A (Max) C13: 10A (Max) |
| Maximum Output Current (Bank) | 20A (Max); 16A (UL de-rated) | 20A (Max); 16A(UL de-rated) | 16A (Max) |
| Maximum Output Current (Total) | 20A (Max); 16A (UL de-rated) | 20A (Max); 16A (UL de-rated) | 16A (Max) |
| OPD (Overcurrent Protection Device) | Yes | Yes | Yes |
| Environmental | | | |
| Temperature (Operating / Storage) | 0 – 40 °C / -20 – 60 °C | 0 – 40 °C / -20 – 60 °C | 0 – 40 °C / -20 – 60 °C |
| Elevation (Operating / Storage) | 3000 m | 3000 m | 3000 m |
| Physical Properties | | | |
| Dimensions (L x W x H) | 108.71 x 4.44 x 6.00 cm (42.80 x 1.75 x 2.36 in.) | 120.71 x 4.44 x 6.00 cm (47.52 x 1.75 x 2.36 in.) | 120.71 x 4.44 x 6.00 cm (47.52 x 1.75 x 2.36 in) |
| Weight | 1.60 kg (3.52 lb) | 1.70 kg (3.75 lb) | 1.70 kg (3.75 lb) |
| Power Cord Length | 10ft (12#) | 10ft (12#) | 10ft (3x1.5mm ²) |
| Compliance | | | |
| EMC Verification | FCC Class A | FCC Class A | CE Class A |
| Safety Verification | Upon Request | Upon Request | CE,LVD |

Specifications

| | PE1316SA | PE1316SG |
|-------------------------------------|--|--|
| Electrical | | |
| Nominal Input Voltage | 100 - 120 VAC | 100 - 240 VAC |
| Maximum Input Current | 30A(Max); 24A (UL de-rated) | 32A Max |
| Input Frequency | 50 - 60 Hz | 50 - 60 Hz |
| Input Connection | NEMA L5-30P | IEC 60309 32A |
| Input Power | 3600VA (Max); 2880VA (UL de-rated) | 7680VA (Max) |
| Outlet Type | (16) NEMA 5-20R | (16) IEC 60320 C13 |
| Maximum Output Current (Outlet) | 20A (Max); 16A (UL de-rated) | 10A (Max) |
| Maximum Output Current (Bank) | 20A (Max); 16A (UL de-rated) | 16A (Max) |
| Maximum Output Current (Total) | 30A (Max); 24A (UL de-rated) | 32A (Max) |
| OPD (Overcurrent Protection Device) | Yes | Yes |
| Environmental | | |
| Temperature (Operating / Storage) | 0 – 40 °C / -20 – 60 °C | 0 – 40 °C / -20 – 60 °C |
| Elevation (Operating / Storage) | 3000 m | 3000 m |
| Physical Properties | | |
| Dimensions (L x W x H) | 108.71 x 4.44 x 6.00 cm (42.80 x 1.75 x 2.36 in.) | 108.71 x 4.44 x 6.00 cm (42.80 x 1.75 x 2.36 in.) |
| Weight | 2.65 kg (5.84 lb) | 2.40 kg (5.29 lb) |
| Power Cord Length | 10ft (10#) | 10ft (3x4mm ²) |
| Compliance | | |
| EMC Verification | FCC Class A | CE Class A |
| Safety Verification | Upon Request | CE,LVD |

Specifications

| | PE1324SA | PE1324SG |
|-------------------------------------|--|--|
| Electrical | | |
| Nominal Input Voltage | 100 - 120 VAC | 100 - 240 VAC |
| Maximum Input Current | 30A(Max); 24A (UL de-rated) | 32A Max |
| Input Frequency | 50 - 60 Hz | 50 - 60 Hz |
| Input Connection | NEMA L5-30P | IEC 60309 32A |
| Input Power | 3600VA (Max); 2880VA (UL de-rated) | 7680VA (Max) |
| Outlet Type | (24) NEMA 5-20R | (24) IEC 60320 C13 |
| Maximum Output Current (Outlet) | 20A (Max); 16A (UL de-rated) | 10A (Max) |
| Maximum Output Current (Bank) | 20A (Max); 16A (UL de-rated) | 16A (Max) |
| Maximum Output Current (Total) | 30A (Max); 24A (UL de-rated) | 32A (Max) |
| OPD (Overcurrent Protection Device) | Yes | Yes |
| Environmental | | |
| Temperature (Operating / Storage) | 0 – 40 °C / -20 – 60 °C | 0 – 40 °C / -20 – 60 °C |
| Elevation (Operating / Storage) | 3000 m | 3000 m |
| Physical Properties | | |
| Dimensions (L x W x H) | 132.71 x 4.44 x 6.00 cm (52.24 x 1.75 x 2.36 in.) | 132.71 x 4.44 x 6.00 cm (52.24 x 1.75 x 2.36 in.) |
| Weight | 3.55 kg (7.83 lb) | 3.30 kg (7.28 lb) |
| Power Cord Length | 10ft (10#) | 10ft (3x4mm ²) |
| Compliance | | |
| EMC Verification | FCC Class A | CE Class A |
| Safety Verification | Upon Request | CE,LVD |

Specifications

| PE1316B | |
|-------------------------------------|---|
| Electrical | |
| Nominal Input Voltage | 100 – 240 VAC |
| Maximum Input Current | 30A (Max); 24A (UL de-rated) |
| Input Frequency | 50 - 60 Hz |
| Input Connection | NEMA L6-30P |
| Input Power | 7200VA (Max); 5760VA (UL de-rated) |
| Outlet Type | (16) IEC 60320 C13 |
| Maximum Output Current (Outlet) | 15A (Max); 12A (UL de-rated) |
| Maximum Output Current (Bank) | 20A (Max); 16A (UL de-rated) |
| Maximum Output Current (Total) | 30A (Max); 24A (UL de-rated) |
| OPD (Overcurrent Protection Device) | Yes |
| Environmental | |
| Temperature (Operating / Storage) | 0 – 40 °C / -20 – 60 °C |
| Elevation (Operating / Storage) | 3000 m |
| Physical Properties | |
| Dimensions (L x W x H) | 108.71 x 4.44 x 6.00 cm (42.80 x 1.75 x 2.36 in.) |
| Weight | 3.40 kg (7.50 lb) |
| Power Cord Length | 10ft (10#) |
| Compliance | |
| EMC Verification | FCC Class A |
| Safety Verification | Upon Request |

Specifications

| PE1324B | |
|-------------------------------------|--|
| Electrical | |
| Nominal Input Voltage | 100 – 240 VAC |
| Maximum Input Current | 30A (Max); 24A (UL de-rated) |
| Input Frequency | 50 - 60 Hz |
| Input Connection | NEMA L6-30P |
| Input Power | 7200VA (Max); 5760VA (UL de-rated) |
| Outlet Type | (22) IEC 60320 C13, (2) IEC 60320 C19 |
| Maximum Output Current (Outlet) | C13: 15A (Max); 12A (UL de-rated) C19: 20A (Max); 16A (UL de-rated) |
| Maximum Output Current (Bank) | 20A (Max); 16A (UL de-rated) |
| Maximum Output Current (Total) | 30A (Max); 24A (UL de-rated) |
| OPD (Overcurrent Protection Device) | Yes |
| Environmental | |
| Temperature (Operating / Storage) | 0 – 40 °C / -20 – 60 °C |
| Elevation (Operating / Storage) | 3000 m |
| Physical Properties | |
| Dimensions (L x W x H) | 123.11 x 4.44 x 6.00 cm (48.47 x 1.75 x 2.36 in.) |
| Weight | 3.80 kg (8.37 lb) |
| Power Cord Length | 10ft (10#) |
| Compliance | |
| EMC Verification | FCC Class A |
| Safety Verification | Upon Request |

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