

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

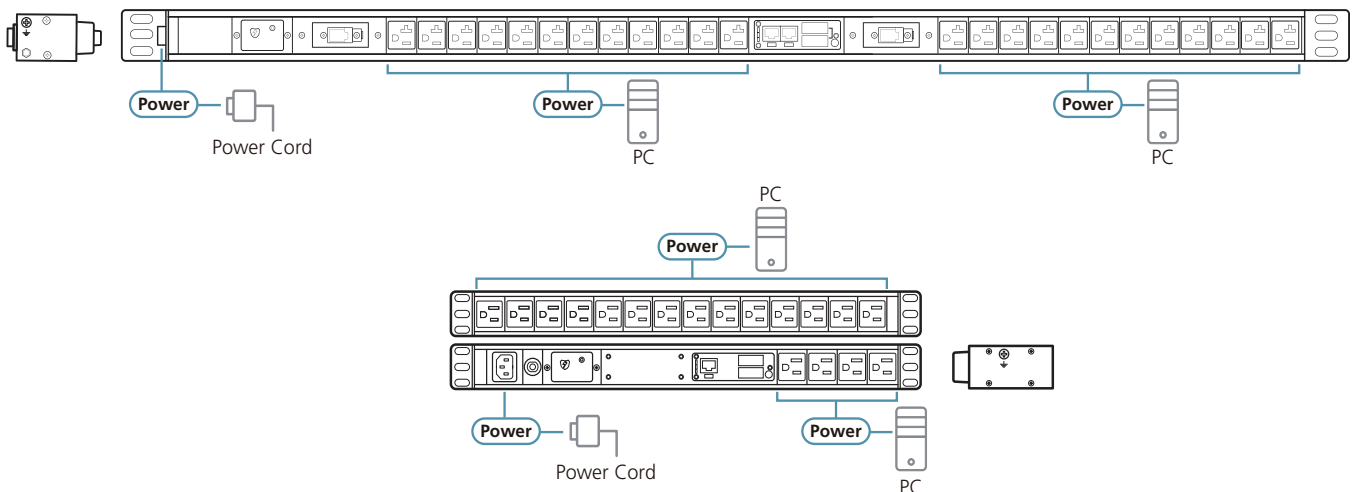


PE1118S Rear View



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 (3x1.0mm 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

ATEN International Co., Ltd.

3F, No.125, Sec. 2, Datung Rd., Sijhih District., New Taipei City 221, Taiwan
 Phone: 886-2-8692-6789 Fax: 886-2-8692-6767
 www.aten.com E-mail: marketing@aten.com

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