

Power supplies

Power supply units and transformers



Durable power supplies

In security and communication solutions with high availability requirements, every element is important. That is why these carefully selected and technically mature power supplies are built durably and come equipped with components of the highest quality for long-term operation. Reliable operation of Intercom stations and servers is thus guaranteed around the clock.

Power supply units

PA24W15V-CA
PA24W30V-CA
PA24W30V-EU
PA30W12V
PA30W15V
PA30W24V-CA
PA30W24V-EU
PA60W24V
PA65W48V
PA90W30V

Plug-in power supply, interchangeable plugs
 Plug-in power supply, interchangeable plugs
 Plug-in power supply, fixed EU plug
 Plug-in power supply, interchangeable plugs
 Desktop power supply, IEC-60320-C14
 Plug-in power supply, interchangeable plugs
 Plug-in power supply, fixed EU plug
 Desktop power supply, IEC-60320-C14
 Desktop power supply, IEC-60320-C14
 Desktop power supply, IEC-60320-C14

Transformers

PA1-230V
PA7-230VEU

Transformer, EU plug with cable
 Transformer, EU plug with cable

PoE injector

PA15WPOE

Plug-in power supply, interchangeable plugs

Power supplies

Technical specifications

Technical data PA24W15V-CA Rev. AB

Input:	connection: interchangeable plugs (AU/EU/UK/US) voltage: 100–240 VAC frequency: 50–60 Hz current: max. 0.49 A standby power: < 75 mW (typ. 36 mW)
Output:	voltage: 15 VDC (+3/–5%) current: max. 1.6 A protection: short circuit voltage system: ES1 (acc. to EN 62368-1), SELV (acc. to EN 60950-1) cable length: 2 m (6.57 ft) connection: right-angle DC power plug, inner diameter: 2.5 mm (0.10 in), outer diameter: 5.5 mm (0.22 in), polarity: centre (+), sleeve (–)
Approvals and compliances:	CE/UKCA/ENEC/FCC NRTL Canada/USA Mark issued by Curtis-Straus EN/UL 62368-1 EN 55032/EN 55035
Efficiency:	DoE Level VI, Directive 2009/125/EC with Commission Regulation (EU) 2019/1782
Operating temperature range:	0 °C to +40 °C (+32 °F to +104 °F)
Storage temperature range:	–30 °C to +80 °C (–22 °F to +176 °F)
Relative humidity, operation:	up to 95%, not condensing
Cooling:	natural convection
Dimensions excl. plug (H x W x D):	95 x 42 x 34.5 mm (3.75 x 1.66 x 1.36 in)
Weight incl. packaging:	270 g (0.6 lbs)



Extent of supply

- Plug-in power supply unit
- Interchangeable plugs (AU/EU/UK/US)
- Short reference

Safety instructions

See short reference.

Power supplies

Technical specifications

Technical data PA24W30V-CA Rev. AA

Input:	connection: interchangeable plugs (AU/UK/US) voltage: 100–240 VAC frequency: 50–60 Hz current: max. 0.49 A standby power: < 75 mW (typ. 61 mW)
Output:	voltage: 30 VDC (+3/–5%) current: max. 0.8 A protection: short circuit voltage system: ES1 (acc. to EN 62368-1), SELV (acc. to EN 60950-1) cable length: 2 m (6.57 ft) connection: right-angle DC power plug, inner diameter: 2.1 mm (0.09 in), outer diameter: 5.5 mm (0.22 in), polarity: centre (+), sleeve (–)
Approvals and compliances:	CE/ENEC/FCC NRTL Canada/USA Mark issued by Curtis-Straus EN/UL 62368-1 EN 55032/EN 55035 EN 61000-6-2/EN 61000-6-3
Efficiency:	DoE Level VI, Directive 2009/125/EC with Commission Regulation (EU) 2019/1782
Operating temperature range:	0 °C to +40 °C (+32 °F to +104 °F)
Storage temperature range:	–30 °C to +80 °C (–22 °F to +176 °F)
Relative humidity, operation:	up to 95%, not condensing
Cooling:	natural convection
Dimensions excl. plug (H x W x D):	95 x 42 x 34.5 mm (3.75 x 1.66 x 1.36 in)
Weight incl. packaging:	240 g (0.53 lbs)



Extent of supply

- Plug-in power supply unit
- Interchangeable plugs (AU/UK/US)
- Short reference

Safety instructions

See short reference.

Power supplies

Technical specifications

Technical data PA24W30V-EU Rev. AA

Input:	connection: fixed EU plug voltage: 100–240 VAC frequency: 50–60 Hz current: max. 0.49 A standby power: < 75 mW (typ. 61 mW)
Output:	voltage: 30 VDC (+3/–5%) current: max. 0.8 A protection: short circuit voltage system: ES1 (acc. to EN 62368-1), SELV (acc. to EN 60950-1) cable length: 2 m (6.57 ft) connection: right-angle DC power plug, inner diameter: 2.1 mm (0.09 in), outer diameter: 5.5 mm (0.22 in), polarity: centre (+), sleeve (–)
Approvals and compliances:	CE/ENEC EN 62368-1 EN 55032/EN 55035 EN 61000-6-2/EN 61000-6-3
Efficiency:	DoE Level VI, Directive 2009/125/EC with Commission Regulation (EU) 2019/1782
Operating temperature range:	0 °C to +40 °C (+32 °F to +104 °F)
Storage temperature range:	–30 °C to +80 °C (–22 °F to +176 °F)
Relative humidity, operation:	up to 95%, not condensing
Cooling:	natural convection
Dimensions excl. plug (H x W x D):	95 x 42 x 30 mm (3.75 x 1.66 x 1.19 in)
Weight incl. packaging:	160 g (0.36 lbs)



Extent of supply

- Plug-in power supply unit
- Short reference

Safety instructions

See short reference.

Power supplies

Technical specifications

Technical data PA30W12V Rev. AB

Input:	connection: interchangeable plugs (AU/EU/UK/US) voltage: 100–240 VAC frequency: 50–60 Hz current: max. 0.59 A standby power: < 75 mW (typ. 33 mW)
Output:	voltage: 12 VDC (+3/–5%) current: max. 2.5 A protection: short circuit voltage system: ES1 (acc. to EN 62368-1), SELV (acc. to EN 60950-1) cable length: 2.5 m (8.21 ft) connection: straight DC power plug, inner diameter: 2.5 mm (0.10 in), outer diameter: 5.5 mm (0.22 in), polarity: centre (+), sleeve (–)
Approvals and compliances:	CE/ENEC NRTL Canada/USA Mark issued by Curtis-Straus EN/UL 62368-1 EN 55032/EN 55035
Efficiency:	DoE Level VI, Directive 2009/125/EC with Commission Regulation (EU) 2019/1782
Operating temperature range:	0 °C to +40 °C (+32 °F to +104 °F)
Storage temperature range:	–30 °C to +80 °C (–22 °F to +176 °F)
Relative humidity, operation:	up to 95%, not condensing
Cooling:	natural convection
Dimensions excl. plug (H x W x D):	105 x 42 x 42 mm (4.14 x 1.66 x 1.66 in)
Weight incl. packaging:	280 g (0.62 lbs)



Extent of supply

- Plug-in power supply unit
- Interchangeable plugs (AU/EU/UK/US)
- Short reference

Safety instructions

See short reference.

Power supplies

Technical specifications

Technical data PA30W15V Rev. AC

Input:	connection: IEC-60320-C14 voltage: 100–240 VAC frequency: 50–60 Hz current: max. 0.59 A standby power: < 75 mW (typ. 33 mW)
Output:	voltage: 15 VDC (+3/–5%) current: max. 2 A protection: short circuit design: floating protective earth ¹⁾ voltage system: ES1 (acc. to EN 62368-1), SELV (acc. to EN 60950-1) cable length: 1.5 m (4.93 ft) connection: straight DC power plug, inner diameter: 2.5 mm (0.10 in), outer diameter: 5.5 mm (0.22 in), polarity: centre (+), sleeve (–)
Approvals and compliances:	CE/UKCA/ENEC/FCC NRTL Canada/USA Mark issued by Curtis-Straus EN/UL 62368-1 EN 55032/EN 55035 EN 61000-6-2/EN 61000-6-3
Efficiency:	DoE Level VI, Directive 2009/125/EC with Commission Regulation (EU) 2019/1782
Operating temperature range:	0 °C to +40 °C (+32 °F to +104 °F)
Storage temperature range:	–30 °C to +80 °C (–22 °F to +176 °F)
Relative humidity, operation:	up to 95%, not condensing
Cooling:	natural convection
Dimensions excl. cables (H x W x D):	120 x 54 x 38 mm (4.73 x 2.13 x 1.50 in)
Weight incl. packaging:	220 g (0.49 lbs)

¹⁾ The output “–” is connected to the protective earth of the IEC-60320-C14 plug via Y-capacitor.



Extent of supply

- Desktop power supply unit
- Short reference

Power cable

For the PA30W15V, the power cable with country-specific plug is available separately:

- C-KAB-C13-AU (Australia)
- C-KAB-C13-EU (Europe)
- C-KAB-C13-UK (United Kingdom)
- C-KAB-C13-US (USA)

Safety instructions

See short reference.

Power supplies

Technical specifications

Technical data PA30W24V-CA Rev. AD

Input:	connection: interchangeable plugs (AU/UK/US) voltage: 100–240 VAC frequency: 50–60 Hz current: max. 0.59 A standby power: < 75 mW (typ. 58 mW)
Output:	voltage: 24 VDC (+3/–5%) current: max. 1.25 A protection: short circuit voltage system: ES1 (acc. to EN 62368-1), SELV (acc. to EN 60950-1) cable length: 1.5 m (4.93 ft) connection: open ends with wire-end sleeves, polarity: red (+), white (–)
Approvals and compliances:	CE/UKCA/ENEC NRTL Canada/USA Mark issued by Curtis-Straus EN/UL 62368-1 EN 55032/EN 55035
Efficiency:	DoE Level VI, Directive 2009/125/EC with Commission Regulation (EU) 2019/1782
Operating temperature range:	0 °C to +40 °C (+32 °F to +104 °F)
Storage temperature range:	–30 °C to +80 °C (–22 °F to +176 °F)
Relative humidity, operation:	up to 95%, not condensing
Cooling:	natural convection
Dimensions excl. plug (H x W x D):	105 x 42 x 42 mm (4.14 x 1.66 x 1.66 in)
Weight incl. packaging:	270 g (0.6 lbs)



Extent of supply

- Plug-in power supply unit
- Interchangeable plugs (AU/UK/US)
- Short reference

Safety instructions

See short reference.

Power supplies

Technical specifications

Technical data PA30W24V-EU Rev. AC

Input:	connection: fixed EU plug voltage: 100–240 VAC frequency: 50–60 Hz current: max. 0.59 A standby power: < 75 mW (typ. 58 mW)
Output:	voltage: 24 VDC (+3/–5%) current: max. 1.25 A protection: short circuit voltage system: ES1 (acc. to EN 62368-1), SELV (acc. to EN 60950-1) cable length: 1.5 m (4.93 ft) connection: open ends with wire-end sleeves, polarity: red (+), white (–)
Approvals and compliances:	CE/ENEC EN 62368-1 EN 55032/EN 55035
Efficiency:	DoE Level VI, Directive 2009/125/EC with Commission Regulation (EU) 2019/1782
Operating temperature range:	0 °C to +40 °C (+32 °F to +104 °F)
Storage temperature range:	–30 °C to +80 °C (–22 °F to +176 °F)
Relative humidity, operation:	up to 95%, not condensing
Cooling:	natural convection
Dimensions excl. plug (H x W x D):	105 x 42 x 37.5 mm (4.14 x 1.66 x 1.48 in)
Weight incl. packaging:	190 g (0.42 lbs)



Extent of supply

- Plug-in power supply unit
- Short reference

Safety instructions

See short reference.

Power supplies

Technical specifications

Technical data PA60W24V Rev. AC

Input:	connection: IEC-60320-C14 voltage: 100–240 VAC frequency: 50–60 Hz current: max. 1.4 A standby power: typ. 109 mW protection: thermal, internal fuses
Output:	voltage: 24 VDC (+3/–5%) current: max. 2.5 A protection: short circuit design: functional earth ¹⁾ voltage system: ES1 (acc. to EN 62368-1), SELV (acc. to EN 60950-1) cable length: 1.5 m (4.93 ft) connection: open ends with wire-end sleeves, polarity: red (+), white (–)
Approvals and compliances:	CE/UKCA/FCC NRTL Canada/USA Mark issued by Curtis-Straus EN/UL 62368-1 EN 55032/EN 55035 EN 61000-6-1/EN 61000-6-3
Efficiency:	DoE Level VI, Directive 2009/125/EC with Commission Regulation (EU) 2019/1782
Operating temperature range:	–25 °C to +70 °C (–13 °F to +158 °F) linear derating: 2.5% per °C from +50 °C (+122 °F), 50% load at +70 °C (+158 °F)
Storage temperature range:	–25 °C to +80 °C (–22 °F to +176 °F)
Relative humidity, operation:	up to 95%, not condensing
Cooling:	natural convection
Dimensions excl. cables (H x W x D):	147.5 x 61 x 43 mm (5.81 x 2.41 x 1.70 in)
Weight incl. packaging:	400 g (0.89 lbs)

¹⁾ The output “–” is connected to the protective earth of the IEC-60320-C14 plug.



Extent of supply

- Desktop power supply unit
- Short reference

Power cable

For the PA60W24V, the power cable with country-specific plug is available separately:

- C-KAB-C13-AU (Australia)
- C-KAB-C13-EU (Europe)
- C-KAB-C13-UK (United Kingdom)
- C-KAB-C13-US (USA)

Safety instructions

See short reference.

Power supplies

Technical specifications

Technical data PA65W48V Rev. AB

Input:	connection: IEC-60320-C14 voltage: 100–240 VAC frequency: 50–60 Hz current: max. 1.4 A standby power: < 210 mW protection: internal fuse
Output:	voltage: typ. 48 VDC ($\pm 5\%$) current: max. 1.36 A protection: short circuit, overvoltage, overcurrent design: functional earth ¹⁾ voltage system: ES1 (acc. to EN 62368-1), SELV (acc. to EN 60950-1) cable length: 1.5 m (4.93 ft) connection: open ends with wire-end sleeves, polarity: orange (+), white (–)
Approvals and compliances:	CE/UKCA/GS/CB/UL/cUL/FCC/PSE/BSMI/CCC/ RCM/LPS EN/UL 62368-1 EN 55032/EN 55035
Efficiency:	DoE Level VI, Energy Star, ErP Stage 2, CoC Tier 2, NRCa & GEMS Level VI Certified
Operating temperature range:	0 °C to +40 °C (+32 °F to +104 °F)
Storage temperature range:	–20 °C to +80 °C (–4 °F to +176 °F)
Relative humidity, operation:	20% to 80%
Relative humidity, storage:	10% to 90%
Cooling:	natural convection
Dimensions excl. cables (H x W x D):	115 x 53 x 38 mm (4.53 x 2.09 x 1.50 in)
Weight incl. packaging:	320 g (0.71 lbs)

¹⁾ The output “–” is connected to the protective earth of the IEC-60320-C14 plug.



Extent of supply

Desktop power supply unit

Power cable

For the PA65W48V, the power cable with country-specific plug is available separately:

- C-KAB-C13-AU (Australia)
- C-KAB-C13-EU (Europe)
- C-KAB-C13-UK (United Kingdom)
- C-KAB-C13-US (USA)

Power supplies

Technical specifications

Technical data PA90W30V Rev. AA

Input:	connection: IEC-60320-C14 voltage: 100–240 VAC frequency: 50–60 Hz current: max. 1.5 A standby power: max. 150 mW
Output:	voltage: typ. 30 VDC ($\pm 4\%$) current: max. 3 A power: max. 90 W protection: short circuit, design: functional earth ¹⁾ voltage system: ES1/PS2 (acc. to EN 62368-1), SELV/LPS (acc. to EN 60950-1) cable length: 1.5 m (4.93 ft) connection: open ends with wire-end sleeves, polarity: white (+), black (–)
Approvals and compliances:	CE/UKCA/FCC EN/UL 62368-1 EN 55032/EN 55024 EN 61000-6-1/EN 61000-6-3
Efficiency:	DoE Level VI, Directive 2009/125/EC with Commission Regulation (EU) 2019/1782
Operating temperature range:	–20 °C to +80 °C (–4 °F to +176 °F) derating: 90% load at –20 °C (–4 °F) 100% load at 0 °C to +40 °C (–4 °F to 104 °F) 90% load at +50 °C (122 °F) 67% load at +60 °C (140 °F) 43% load at +70 °C (158 °F) 20% load at +80 °C (178 °F)
Storage temperature range:	–30 °C to +80 °C (–22 °F to +176 °F)
Relative humidity, operation:	up to 95%, not condensing
Cooling:	natural convection
Dimensions excl. cables (H x W x D):	149,3 x 62,8 x 34 mm (5.88 x 2.47 x 1.34 in)
Weight incl. packaging:	490 g (1.08 lbs)

¹⁾ The output “–” is connected to the protective earth of the IEC-60320-C14 plug via Y-capacitor.



Extent of supply

Desktop power supply unit

Power cable

For the PA90W30V, the power cable with country-specific plug is available separately:

- C-KAB-C13-AU (Australia)
- C-KAB-C13-EU (Europe)
- C-KAB-C13-UK (United Kingdom)
- C-KAB-C13-US (USA)

Power supplies

Technical specifications

Technical data PA1-230V Rev. AB

Input:	connection: EU plug with cable, cable length: 1.1 m (3.61 ft) voltage: 230 VAC frequency: 50–60 Hz current: max. 0.21 A protection: PTC +130 °C (+266 °F)
Output:	voltage: 21.8 VAC current: max. 1.76 A cable length: 2.5 m (8.21 ft) connection: open ends with wire-end sleeves
Approvals and compliances:	CE/UKCA EN 61558-2-6
Operating temperature:	max. +50 °C (+122 °F)
Cooling:	natural convection
Dimensions excl. cables (H x W x D):	87.2 x 56.2 x 60.2 mm (3.44 x 2.22 x 2.38 in)
Weight incl. packaging:	1200 g (2.65 lbs)



Extent of supply

Transformer

Safety instructions

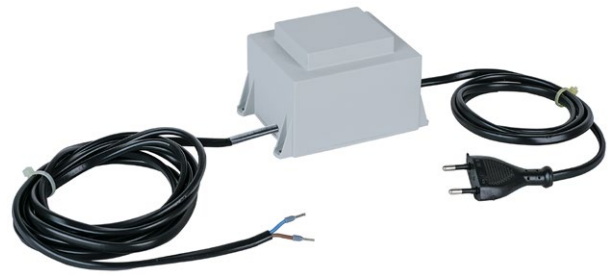
- Defective power cables of the transformer must not be repaired or changed. In case of defective power cables, the whole transformer must be changed.
- See label on transformer.

Power supplies

Technical specifications

Technical data PA7-230VEU Rev. AB

Input:	connection: EU plug with cable, cable length: 1.1 m (3.61 ft) voltage: 230 VAC frequency: 50–60 Hz current: max. 0.39 A protection: PTC +130 °C (+266 °F)
Output:	voltage: 22.2 VAC current: max. 3.33 A cable length: 2.5 m (8.21 ft) connection: open ends with wire-end sleeves
Approvals and compliances:	CE/UKCA EN 61558-2-6
Operating temperature:	max. +50 °C (+122 °F)
Cooling:	natural convection
Dimensions excl. cables (H x W x D):	107.5 x 77 x 63 mm (4.24 x 3.03 x 2.49 in)
Weight incl. packaging:	2000 g (4.41 lbs)



Extent of supply

- Transformer
- Mounting kit

Safety instructions

- Defective power cables of the transformer must not be repaired or changed. In case of defective power cables, the whole transformer must be changed.
- See label on transformer.

Power supplies

Technical specifications

Technical data PA15WPOE Rev. BB

Input:	connection: interchangeable plugs (AU/EU/UK/US) voltage: 100–240 VAC frequency: 47–63 Hz current: max. 0.55 A (RMS) for 90 VAC, max. 0.35 A (RMS) for 240 VAC
Output:	IEEE 802.3af protection: short circuit, overvoltage, overcurrent connection: RJ45
Approvals and compliances:	CE/UKCA/UL/FCC/RCM/LPS IEC/cUL/UL 62368-1 EN 55032
Efficiency:	DoE Level VI, Australian GEMS
Operating temperature range:	–20 °C to +45 °C (–4 °F to +113 °F)
Storage temperature range:	–20 °C to +75 °C (–4 °F to +167 °F)
Relative humidity, operation:	5–90%, not condensing
Cooling:	natural convection
Dimensions excl. plug (H x W x D):	86 x 50.2 x 33.2 mm (3.39 x 1.98 x 1.31 in)
Weight incl. packaging:	168 g (0.37 lbs)



Extent of supply

- PoE injector
- Interchangeable plugs (AU/EU/UK/US)

Quality tested. Reliable. Smart.

COMMEND products are developed and manufactured by Commend International in Salzburg, Austria.

The development and manufacturing processes are certified in accordance with **EN ISO 9001:2015**.



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