

Data sheet | Item number: 787-6716

Switched-mode power supply; 1-phase; 24 VDC output voltage; 4 A output current; PowerBoost

www.wago.com/787-6716



Subject to changes. Please also observe the further product documentation!

WAGO GmbH & Co. KG
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Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Item description

Features:

- Switched-mode power supply with PowerBoost
- Low-profile, compact design
- Extremely robust, fully encapsulated housing (IP67)
- Active power factor correction
- High efficiency up to 92.3%
- Surrounding air temperature up to 85°C
- Suitable for both parallel and series operation

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Data**Technical data****Input**

Phases	1
Nominal input voltage $U_{i\text{ nom}}$	AC/DC 100 ... 240 V
Input voltage range	AC/DC 90 ... 265 V
Nominal mains frequency range	47 ... 63.6 Hz; 0 Hz
Input current I_i	≤ 0.5 A (250 VAC); ≤ 1.1 A (100 VAC)
Inrush current	≤ 9 A
Power factor	≥ 0.98
Power factor correction (PFC)	Active
Mains failure hold-up time	≥ 45 ms

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 24 V
Output voltage range	± 2 %
Nominal output current $I_{o\text{ nom}}$	4 A
Nominal output power	96 W
Residual ripple	≤ 100 mV (peak-to-peak); ≤ 20 mV (rms)
Overload behavior	Constant current
PowerBoost	DC 6 A (5 s; without voltage drop)

Signaling and Communication

Signaling	1 x LED DC OK (green) 1 x Overload LED (red)
Operation status indicator	Green LED (24 VDC OK) Red LED (overload)

Efficiency/power losses

Power loss P_i	≤ 1 W; ≤ 7.9 W (nominal load)
Efficiency (typ.)	92.3 % (230 VAC)

Circuit protection

Internal fuse	T 6.3 A
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Subject to changes. Please also observe the further product documentation!

Backup fusing (recommended)

Circuit breaker: 4 ... 20 A; Characteristic: C
T 20 A in building installations

Safety and protection

Protection class	I
Protection type	IP67
Overvoltage protection; secondary	≤ 30 VDC (per IEC 61131)
Short-circuit-protected	Yes
Parallel operation	3 devices (max.)
Series operation	2 devices (max.)
MTBF	> 960,000 h

Connection data

Connection type 1	Input
Connection technology	7/8"; 3-pole plug
Connection type 2	Output
Connection technology 2	7/8"; 5-pole socket

Physical data

Width	111 mm / 4.37 inches
Height	141 mm / 5.55 inches
Depth	54 mm / 2.123 inches

Mechanical Data

Mounting type	Screw mount
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Material Data

Weight	1100 g
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Environmental requirements

Ambient temperature (operation)	-40 ... +85 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	4 ... 100 %
Derating	-3.84 W/K (> 60 °C)
Climatic category	4K6 (per EN 60721)

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Standards and specifications

Conformity marking	CE
Standards/specifications	EN 61010-1 EN 61010-2-201 EN 61204 UL 508

Commercial data

eCl@ss 10.0	27-04-07-01
eCl@ss 9.0	27-04-07-01
ETIM 8.0	EC002540
ETIM 7.0	EC002540
Recupel Type	
PU (SPU)	1 pcs
Packaging type	box
Country of origin	CZ
GTIN	4055143644877
Customs tariff number	85044083900

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC Brjansker Zertifizierungsstelle	TP TC 004/2011, TP TC 020/2011	EAC RU C-DE.AM02.B. 00089_19
	UL Underwriters Laboratories Inc.	UL 508	E255817

Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-

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Optional accessories

Cables and pluggable connectors

Power supply cable

Item no.: 787-6716/9310-030 Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 3-pole; Socket, straight; Length: 3 m	www.wago.com/787-6716/9310-030
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Item no.: 787-6716/9310-050 Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 3-pole; Socket, straight; Length: 5 m	www.wago.com/787-6716/9310-050
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Item no.: 787-6716/9310-100 Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 3-pole; Socket, straight; Length: 10 m	www.wago.com/787-6716/9310-100
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Item no.: 787-6716/9510-015 Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 5-pole; Plug, straight; Length: 1.5 m	www.wago.com/787-6716/9510-015
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Item no.: 787-6716/9510-030 Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 5-pole; Plug, straight; Length: 3 m	www.wago.com/787-6716/9510-030
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Item no.: 787-6716/9510-050 Supply cable, pre-assembled, 7/8 inch; 7/8 inch; 5-pole; Plug, straight; Length: 5 m	www.wago.com/787-6716/9510-050
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Pluggable connectors

Item no.: 787-6716/9000-1000 Pluggable connector, 7/8 inch; 7/8 inch; 3-pole	www.wago.com/787-6716/9000-1000
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Item no.: 787-6716/9100-000 Pluggable connector, 7/8 inch; 7/8 inch; 3-pole; Plug, straight	www.wago.com/787-6716/9100-000
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Item no.: 787-6716/9300-000 Pluggable connector, 7/8 inch; 7/8 inch; 3-pole; Socket, straight	www.wago.com/787-6716/9300-000
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Item no.: 787-6716/9500-000 Pluggable connector, 7/8 inch; 7/8 inch; 5-pole; Plug, straight	www.wago.com/787-6716/9500-000
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Item no.: 787-6716/9400-000 Pluggable connector, 7/8 inch; 7/8 inch; 3-pole; Socket, angled	www.wago.com/787-6716/9400-000
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Item no.: 787-6716/9600-000 Pluggable connector, 7/8 inch; 7/8 inch; 5-pole; Plug, angled	www.wago.com/787-6716/9600-000
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Item no.: 787-6716/9700-000
Pluggable connector, 7/8 inch; 7/8 inch; 5-pole; Socket, straight

www.wago.com/787-6716/9700-000

Item no.: 787-6716/9800-000
Pluggable connector, 7/8 inch; 7/8 inch; 5-pole; Socket, angled

www.wago.com/787-6716/9800-000

Downloads

Documentation

Bid Text

787-6716 X81 - Datei	2019 年7月4日	xml 6.2 kB	Download
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787-6716 docx - Datei	2019 年6月12日	docx 19.3 kB	Download
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Instruction Leaflet

Primär getaktete Stromversorgung IP67 DC 24 V, 4 A	2021 年5月18日	pdf 457.9 kB	Download
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Additional Information

Disposal and Recycling Electrical and electronic equipment, Batteries, Packaging	V 1.1.0 2022 年8月18日	pdf 2.2 MB	Download
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CAD/CAE-Data

CAE data

EPLAN Data Portal 787-6716		URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 787-6716 Switched-mode power supply; 1-phase; 24 VDC output voltage; 4 A output current; PowerBoost		URL	Download
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Installation Notes

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