

Data Sheet | Item Number: 2687-2143

Power supply; Eco 2; 1-phase; 24 VDC output voltage; 2.5 A output current; DC-OK
LED

<https://www.wago.com/2687-2143>



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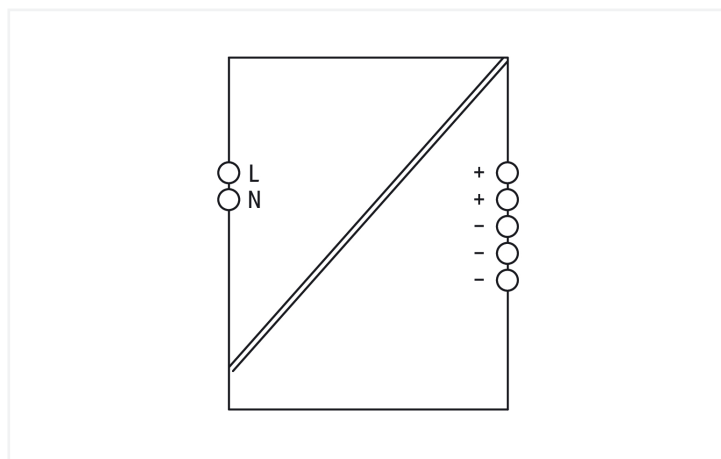
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Features:

- Optical status indication
- Suitable for both parallel and series operation
- Natural convection cooling when horizontally mounted
- Connection technology with push-in termination and tool-free lever operation
- Electrically isolated output voltage (SELV/PELV) per EN 61010/UL 61010
- Marker slot (Item No. 2789-1233, not included) for WAGO Marking Cards (WMB) and WAGO Marking Strips



Technical data

Input		Output	
Phases	1	Nominal output voltage $U_{o\,nom}$	24 VDC (SELV)
Nominal input voltage $U_{i\,nom}$	1 x 100 ... 240 VAC	Output voltage range	22 ... 29 VDC (adjustable)
Input voltage range	1 x 90 ... 264 VAC	Default Setting	DC 24 V
Nominal mains frequency range	50 ... 60 Hz	Nominal output current $I_{o\,nom}$	2.5 A (24 VDC)
Input current I_i	≤ 0.5 A (230 VAC; nominal load); ≤ 1.1 A (100 VAC; nominal load)	Nominal output power	60 W
Inrush current	≤ 20 A (after 1 ms)	Deviation	≤ 1 %
Power factor correction (PFC)	Passive	Residual ripple	≤ 20 mV (peak-to-peak, at 230 VAC)
Mains failure hold-up time	≥ 130 ms (230 VAC); ≥ 23 ms (110 VAC)	Overload behavior	Constant power up to 130 %; shutdown and automatic restart in the event of a short circuit

Signaling and communication	
Signaling	1 x LED DC OK (green)

Efficiency/power losses	
Power loss P_i	≤ 0.1 W (no load); ≤ 6 W (nominal load)
Efficiency (typ.)	90.5 %

Circuit protection	
Internal fuse	T 2 A / 250 VAC
Backup fusing (recommended)	16 A (for USA/Canada: 15 A)

Safety and protection	
Isolation voltage (pri.-sec., AC)	3510 V
Protection class	II
Protection type	IP20; per EN 60529
Resistance to reverse feed	≤ 35 VDC
Overvoltage category	III (≤ 2000 m a. s.l.); II (>2000 m a. s.l.)
Pollution degree	2
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	$> 1,100,000$ h

Connection data

Connection 1	
Connection type	Input/output
Connection technology	Push-in CAGE CLAMP®
Solid conductor	0.2 ... 4 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 4 mm² / 24 ... 12 AWG



Physical data	
Width	35 mm / 1.378 inches
Height	100 mm / 3.937 inches
Depth from upper-edge of DIN-rail	90 mm / 3.54 inches

Mechanical data	
Mounting type	DIN-35 rail

Material data	
Fire load	0 MJ
Weight	250 g

Environmental requirements	
Ambient temperature (operation)	-25 ... +70 °C (device starts at -40 °C (type-tested))
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	5 ... 96 % (no condensation permissible)
Derating	Siehe Typenschild/Handbuch
Climatic category	3K3 (per EN 60721)
Operating altitude (max.)	5000 m

Standards and specifications	
Conformity marking	CE; UKCA
Standards/specifications	EN 61010-1 EN 61010-2-201 EN 61204-3 UL 61010-1 UL 61010-2-201 SEMI F47

Commercial data	
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	CN
GTIN	4066966480061
Customs tariff number	85044083900

Product classification	
UNSPSC	39121004
ETIM 9.0	EC002540
ETIM 8.0	EC002540
ECCN	NO US CLASSIFICATION



Environmental Product Compliance	
CAS-No.	1303-86-2 1317-36-8 7439-92-1 79-94-7
REACH Candidate List Substance	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol Diboron trioxide Lead Lead monoxide
RoHS Compliance Status	Compliant,With Exemption
RoHS Exemption	6(c) 7(a) 7(c)-I 7(c)-II
SCIP notification number (Austria)	e017187f-9e94-48f1-87d8-dd2bb4c80249
SCIP notification number (Belgium)	48b90fd9-af9e-42fb-9817-40509f3746fc
SCIP notification number (Bulgaria)	be1e41b3-a542-4051-9b85-652f2f6d1a4d
SCIP notification number (Czech Republic)	23e57abf-4f13-4729-8ee6-037120462b0b
SCIP notification number (Denmark)	ce5521f3-89fa-46ed-b119-44241bcbb9da
SCIP notification number (Finland)	af0ac358-7114-4f8c-8e4a-39cfc778c6d1
SCIP notification number (France)	7059bd10-bc24-4622-b9a7-52edb8b6ac4f
SCIP notification number (Germany)	15c620d6-5799-4bbb-8261-2cd43fe6fae6
SCIP notification number (Hungary)	f5d0f531-abaa-4b3f-aae9-38875074b6c5
SCIP notification number (Italy)	fb3cb27a-d888-4690-83cc-95d6d15b4906
SCIP notification number (Netherlands)	a0188a42-c999-4daa-9d0d-92c37e10b6a3
SCIP notification number (Poland)	14ad6c5a-05de-4056-beeb-51cd36b95272
SCIP notification number (Romania)	596802ac-d363-4a11-95de-76252c1e49d6
SCIP notification number (Sweden)	4dc8b222-ea9a-4c84-82fa-83702da0254b

Approvals / Certificates

General approvals

Declarations of conformity and manufacturer's declarations

 		
Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03080
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081
UL Underwriters Laboratories Inc.	UL 61010-2-201	UL_E255817

Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-

Approvals for hazardous areas		
		
Approval	Standard	Certificate Name
UL Underwriters Laboratories Inc. (HAZARDOUS LOCA- TIONS)	UL 121201	UL_E198726



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2687-2143

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Documentation

Manual

Product Manual Power supply unit; Eco 2; 1-phase; 24 VDC output voltage; 2.5 A output current

V 1.0.0
19.03.2024

pdf
6561.51 KB

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Bid Text

2687-2143

14.04.2025

docx
39.01 KB

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2687-2143

14.04.2025

x81
7.64 KB

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Instruction Leaflet

Stromversorgung; Eco 2

V 1.0.0
10.10.2023

pdf
2364.21 KB

↓

CAD/CAE-Data

CAD data

2D/3D Models
2687-2143

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