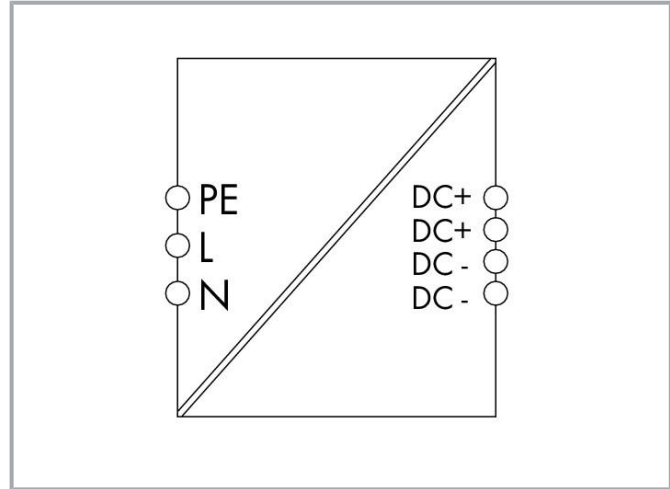


**Data sheet | Item number: 787-1212**

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage;  
2.5 A output current; DC-OK LED



[www.wago.com/787-1212](http://www.wago.com/787-1212)



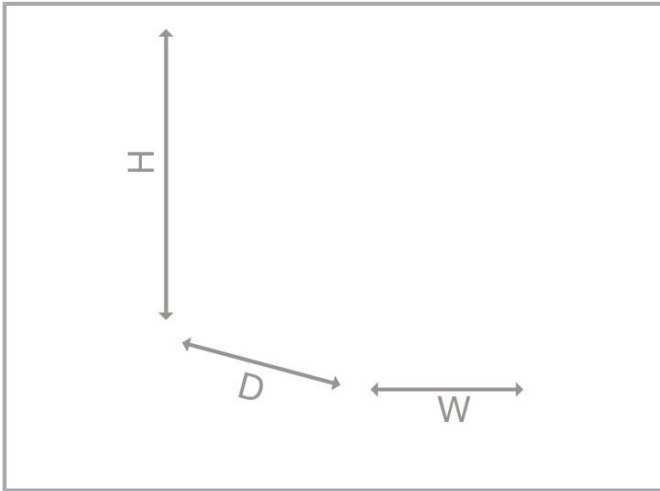
RoHS Compliant

[BOMcheck.net](http://BOMcheck.net)

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

WAGO Private Limited  
C-27, Sector-58, Phase-III  
Noida-201 301 | Gautam Budh Nagar (U.P)  
Tel.: +91-120-4369831 | Fax: +91-120-4388799  
Email: [info.india@wago.com](mailto:info.india@wago.com)

Do you have any questions about our products?  
We are always happy to take your call at +91-120-4388700.



## Item description

### Features:

- Switched-mode power supply
- Stepped profile for installation in standard distribution boards
- Removable front panel and screw mounts for alternative installation in distribution boxes or devices
- Pluggable *picoMAX*<sup>®</sup> Connection Technology (tool-free)
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN 60335-1 and UL 60950-1; PELV per EN 60204

## Data

### Technical data

#### Input

Phases	1
Nominal input voltage $U_{i\text{nom}}$	1 x AC 100 ... 240 V
Input voltage range	AC 85 ... 264 V; DC 125 ... 375 V
Input voltage derating	-2 %/V (< 100 VAC); -1.33 %/V (< 140 VDC)
Nominal mains frequency range	47 ... 63 Hz; 0 Hz
Input current $I_i$	$\leq 1.5$ A
Discharge current	$\leq 0.25$ mA
Inrush current	$\leq 20$ A
Power factor	$\geq 0.5$

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

WAGO Private Limited  
 C-27, Sector-58, Phase-III  
 Noida-201 301 | Gautam Budh Nagar (U.P)  
 Tel.: +91-120-4369831 | Fax: +91-120-4388799  
 Email: [info.india@wago.com](mailto:info.india@wago.com)

Do you have any questions about our products?  
 We are always happy to take your call at +91-120-4388700.



Power factor correction (PFC)	Passive
Mains failure hold-up time	≥ 60 ms

## Output

Nominal output voltage $U_{o\ nom}$	DC 24 V (SELV)
Output voltage range	DC 22 ... 26 V (adjustable)
Default setting	DC 24 V
Nominal output current $I_{o\ nom}$	2.5 A; 2 A (< 110 VAC)
Nominal output power	60 W
Control deviation	≤ 1 %
Deviation, dynamic load change 10 ... 90 %	≤ 1 %
Residual ripple	≤ 100 mV (peak-to-peak)
Overload behavior	Constant power (in overload range: $1.05 \dots 1.35 \times I_{o\ nom}$ ); Shutdown and automatic restart in the event of a short circuit or permanent overload

## Signaling and communication

Signaling	1 x LED DC OK (green)
Operation status indicator	Green LED ( $U_o$ )

## Efficiency/power losses

Power loss $P_l$	≤ 0.6 W (230 VAC; No load)
Power loss (max.) $P_{l\ (max.)}$	9 W (100 VAC / 24 VDC; 2.5 A)
Efficiency (typ.)	89 % (230 VAC); 87 % (110 VAC)

## Circuit protection

Internal fuse	T 2 A / 250 VAC
Required backup fusing	An external DC fuse is required for the DC input voltage.
Recommended backup fusing	Circuit breaker: 6 A (C characteristic), 10 A (B characteristic) or higher

## Safety and protection

Isolation voltage (Pri.-Sec.)	DC 4.242 kV
Protection class	I
Protection type	IP20 (per EN 60529)

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



Resistance to reverse feed	≤ DC 35 V
Pollution degree	2
Transient suppression (primary)	Varistor
Overvoltage protection; secondary	≤ 31 VDC (in the event of a fault)
Short-circuit-protected	Yes
Open-circuit-proof	Yes
Parallel operation	Yes
Series operation	Yes
MTBF	> 500,000 h (per IEC 61709)

### Connection data

Connection type (1)	Input/Output
Connection technology	Push-in CAGE CLAMP®
WAGO Connector	picoMAX® 5.0, WAGO 2092 Series
Solid conductor	0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch

### Physical data

Width	72 mm / 2.835 inch
Height	90 mm / 3.543 inch
Depth	56 mm / 2.205 inch
Depth from upper edge of DIN-rail	52.5 mm / 2.067 inch
Note (dimensions)	Depth: 48 mm (without cover)

### Mechanical data

Mounting type	DIN-35 rail Screw mount (back/side)
---------------	--

### Material data

Flammability class per UL94	V0
Fire load	0.117 MJ 0.115 MJ
Weight	288 g

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

## Environmental requirements

Surrounding air temperature (operation)	-25 ... 70 °C
Surrounding air temperature (storage)	-40 ... 85 °C
Relative humidity	95% (no condensation permissible)
Derating	-2.66 %/K (> 55 °C)
Pollution degree	2
Climatic category	3K3 (per EN 60721; except for low air pressure)

## Standards and specifications



Conformity marking	CE
Standards/Specifications	EN 61204-3; EN 60335-1; EN 62368-1 ; UL 60950-1; UL 508

## Commercial data

Packaging type	BOX
Country of origin	CN
GTIN	4055143908016
Customs tariff number	85044082900

## Approvals / Certificates

### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 508	E255817
	UL Underwriters Laboratories Inc.	UL 60950-1	E255815








## Compatible products

### Strain relief plate

	Item no.: 2092-1601 Gripping plate; light gray	<a href="http://www.wago.com/2092-1601">www.wago.com/2092-1601</a>
--	---	--

### ferrule

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

	<b>Item no.: 216-201</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / 20 AWG; insulated; electro-tin plated; white	<a href="http://www.wago.com/216-201">www.wago.com/216-201</a>
	<b>Item no.: 216-202</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray	<a href="http://www.wago.com/216-202">www.wago.com/216-202</a>
	<b>Item no.: 216-203</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; red	<a href="http://www.wago.com/216-203">www.wago.com/216-203</a>
	<b>Item no.: 216-204</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; insulated; electro-tin plated; black	<a href="http://www.wago.com/216-204">www.wago.com/216-204</a>
	<b>Item no.: 216-301</b> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow	<a href="http://www.wago.com/216-301">www.wago.com/216-301</a>
	<b>Item no.: 216-302</b> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; green	<a href="http://www.wago.com/216-302">www.wago.com/216-302</a>
<b>tools</b>		
	<b>Item no.: 210-720</b> Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured	<a href="http://www.wago.com/210-720">www.wago.com/210-720</a>
	<b>Item no.: 210-769</b> SCREWDRIVER; green	<a href="http://www.wago.com/210-769">www.wago.com/210-769</a>

## Downloads

### Documentation

#### Manual

COMPACT Power; 1-phase DC 24 V / 2.5 A	V 1.0.0 24 Nov 2020	pdf 1.5 MB	Download
---	------------------------	---------------	----------

#### Bid Text

787-1212 X81 - Datei	4 Jul 2019	xml 7.4 kB	Download
-------------------------	------------	---------------	----------

787-1212 docx - Datei	12 Jun 2019	docx 21.1 kB	Download
--------------------------	-------------	-----------------	----------

#### Instruction Leaflet

Primär getaktete Stromversorgungen EPSITRON COMPACT Power DC 24 V, 2,5 A		pdf 1.6 MB	Download
---	--	---------------	----------

#### Additional Information

Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf	Download
--	---------	-----	----------

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

## CAD/CAE-Data

### CAD data

2D/3D Models 787-1212	<a href="#">URL</a>	<a href="#">Download</a>
-----------------------	---------------------	--------------------------

### CAE data

WSCAD Universe 787-1212	<a href="#">URL</a>	<a href="#">Download</a>
-------------------------	---------------------	--------------------------

ZUKEN Portal 787-1212	<a href="#">URL</a>	<a href="#">Download</a>
-----------------------	---------------------	--------------------------

EPLAN Data Portal 787-1212	<a href="#">URL</a>	<a href="#">Download</a>
----------------------------	---------------------	--------------------------

## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 787-1212	<a href="#">URL</a>	<a href="#">Download</a>
---	---------------------	--------------------------

Switched-mode power supply; Compact; 1-phase; 24 VDC output voltage; 2.5 A output current; DC-OK LED

## Installation Notes

## Product family

### EPSITRON COMPACT Power

EPSITRON® COMPACT POWER: Compact, High-Performance Power Supplies

[Show all products from the family](#)

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