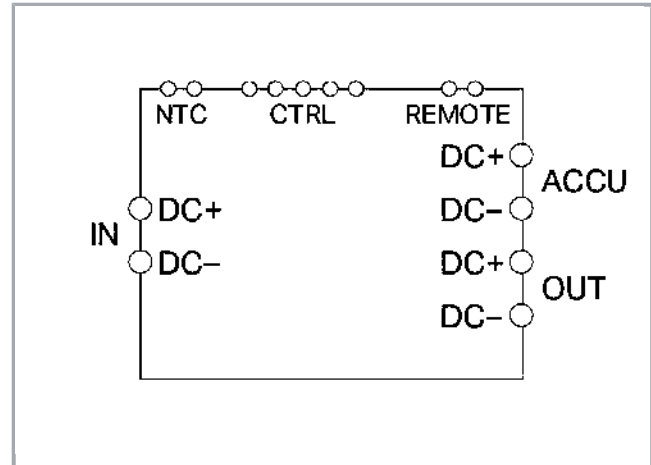


Data sheet | Item number: 787-915

UPS charger and controller; 24 VDC input voltage; 24 VDC output voltage;
40 A output current

www.wago.com/787-915



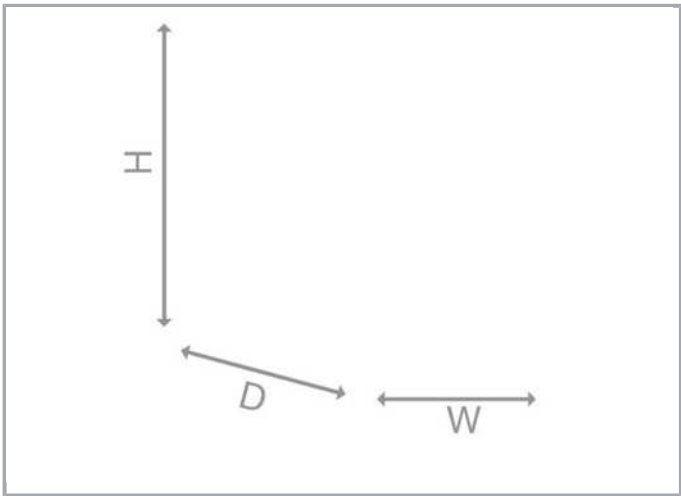
RoHS
Compliant

BOMcheck.net

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Item description

Features:

- DC UPS module for uninterruptible power supply (UPS)
- Potential-free contacts provide function monitoring
- Remote input for buffered output deactivation
- Input for temperature control of connected battery
- Battery internal resistance measurement for diagnosing batteries, including the connection cable and fuse

Note:
For North America: Use only batteries with appropriate safety approvals!

Data
Technical Data

Input

Nominal input voltage $U_{i\text{ nom}}$	DC 24 V
Input voltage range	DC 22 ... 28 V
Nominal mains frequency range	0 Hz
Input current I_i	$\leq 0,16\text{ A}$ (No load); $\leq 4\text{ A}$ (Charging); $\leq 44\text{ A}$

Output

Nominal output voltage $U_{o\text{ nom}}$	DC 24 V
Output voltage range	U_i (rated operation); 19.5 ... 26.5 VDC (unregulated battery voltage in

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	buffer mode)
Nominal output current $I_{o\ nom}$	40 A

Energy storage

Switch-on threshold (adjustable)	DC 21,5 ... 22,5 V
Charging current	1 ... 4 A (adjustable in 1 A steps via DIP switch; Default setting: 2 A)
End-of-charge voltage	DC 26,4 ... 29 V (temperature controlled with NTC; without temperature sensor: 27.2 VDC)
Recommended battery module	Typ: VRLA 24 V; 7 ... 40 Ah

Signaling and communication

Signaling	1 x Power LED (green) 1 x UPS LED (yellow) 1 x Warning LED (red) 2 x isolated relay contact (max. 30 VDC; 1 A)
Operation status indicator	Green LED (operation) Yellow LED (buffer mode/charging) Red LED (warning)
Remote input	Switching buffer mode off

Efficiency/Power losses:

Power loss P_l	≤ 4 W (No load); $\leq 22,5$ W (Nominal load)
Efficiency (typ.)	97 % (rated operation); 85 % (charging)

Fuse protection:

Internal fuse	T 6.3 A (charging circuit)
External fuse (recommended)	T 50 A

Safety and protection:

Insulation voltage (connectors-housing)	DC 0,5 kV
Protection class	III
Protection class	IP20 (per EN 60529)
Reverse voltage protection	yes
Parallel operation	No
Series connection	No
MTBF	600,000 h (40 °C; per SN 29500)

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Connection data

Connection type (1)	Input/Output
Connection technology	Push-in CAGE CLAMP®
WAGO terminal	WAGO 2636 Series
Solid conductor	0,75 ... 16 mm² / 18 ... 4 AWG
Fine-stranded conductor	0,75 ... 25 mm² / 18 ... 4 AWG
Fine-stranded conductor with ferrule with plastic collar	0,75 ... 16 mm²
Fine-stranded conductor with ferrule without plastic collar	0,75 ... 16 mm²
Strip length	18 ... 20 mm / 0.71 ... 0.79 inch
Connection type (2)	Signaling
Connection technology 2	CAGE CLAMP®
WAGO terminal 2	WAGO 741 Series
Solid conductor (2)	0,08 ... 2,5 mm² / 28 ... 12 AWG
Fine-stranded conductor (2)	0,08 ... 2,5 mm² / 28 ... 12 AWG
Fine-stranded conductor with insulated ferrule (2)	0,25 ... 1,5 mm² /
Fine-stranded conductor with uninsulated ferrule (2)	0,25 ... 1,5 mm² /
Strip length (2)	5 ... 6 mm / 0.2 ... 0.24 inch

Geometrical Data

Width	68 mm / 2.677 inch
Height	181 mm / 7.126 inch
Length from upper-edge of DIN-35 rail	162 mm / 6.38 inch

Mechanical data

Type of mounting	DIN-35 rail (EN 60715)
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Material Data

Weight	1100 g
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Environmental Requirements

Surrounding air (operating) temperature	0 ... 50 °C
Surrounding air (storage) temperature	-20 ... 55 °C
Relative humidity	5 ... 95 % (no condensation permissible)
Pollution degree	2

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Standards and specifications


Conformity marking	CE
Standards/specifications	EN 62368-1; EN 61000-6-2; EN 61000-6-3; CSA* (*pending)

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4055143825481
Customs Tariff No.	85044082900

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	EAC ROSTEST-Moskau	TP TC 020/2011	RU_C-DE. AM02.B. 00093-19

Counterpart

Downloads

Documentation

Bid Text

787-915 GAEB X81 - Datei	Jul 12, 2019	xml 7.3 kB	Download
787-915 GAEB docx - Datei	Jul 12, 2019	docx 22.1 kB	Download

Instruction Leaflet

UPS charger and control module DC 24 V, 40 A	Sep 16, 2019	pdf 1.1 MB	Download
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Additional Information

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

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