

**Features:**

- DC UPS module for uninterrupted 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

Notes

Safety Information

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

Technical data**Input**

Nominal input voltage $U_{i\text{nom}}$	24 VDC
Input voltage range	22 ... 28 VDC
Nominal mains frequency range	0 Hz
Input current I_i	≤ 0.16 A (no load); ≤ 4 A (charging); ≤ 44 A

Output

Nominal output voltage $U_{o\text{nom}}$	24 VDC
Output voltage range	U_i (rated operation); 19.5 ... 26.5 VDC (battery voltage in buffer mode)
Nominal output current $I_{o\text{nom}}$	40 A

Energy storage systems

Buffer time	load-dependent
Switch-on threshold	DC 21.5 ... 22.5 V (adjustable)
Memory type	Lead-acid fleece
Charging current	1 ... 4 A (Adjustable in 1 A steps via DIP switch, preset: 2 A)
End-of-charge voltage	26.4 ... 29 VDC (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		Circuit Protection	
Power loss P_1	$\leq 4 \text{ W}; \leq 22.5 \text{ W}$ (nominal load)	Internal fuse	T 6.3 A (charging circuit)
Efficiency (typ.)	97 % (Rated operation); 85 % (Charging)	Backup fuse (recommended)	T 50 A
Safety and protection			
Isolation voltage (connectors – housing)	0.5 kVDC		
Protection class	III		
Protection type	IP20; per EN 60529		
Reverse voltage protection	Yes		
Pollution degree	2		
Parallel operation	No		
Series operation	No		
MTBF	600,000 h (40 °C; per SN 29500)		
Connection Data			
Connection 1		Connection 2	
Connection type	Input/output	Connection type	Signaling
Connection technology	Push-in CAGE CLAMP®	Connection technology	CAGE CLAMP®
WAGO connector	WAGO 2636 Series	WAGO connector	WAGO 741 Series
Solid conductor	0.75 ... 16 mm² / 18 ... 4 AWG	Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.75 ... 25 mm² / 18 ... 4 AWG	Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.75 ... 16 mm²	Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.75 ... 16 mm²	Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1.5 mm²
Strip length	18 ... 20 mm / 0.71 ... 0.79 inches	Strip length	5 ... 6 mm / 0.2 ... 0.24 inches
Physical data			
Width	68 mm / 2.677 inches		
Height	181 mm / 7.126 inches		
Depth from upper-edge of DIN-rail	162 mm / 6.38 inches		
Mechanical data			
Mounting type	DIN-35 rail		
Material data			
Fire load	0 MJ		
Weight	1100 g		
Environmental requirements			
Ambient temperature (operation)	0 ... +50 °C		
Ambient temperature (storage)	-20 ... +55 °C		
Relative humidity	5 ... 95 % (no condensation permissible)		

Standards and Specifications

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

Commercial data

PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4066966454925
Customs tariff number	85044083900

Product Classification

UNSPSC	39121006
ETIM 9.0	EC000382
ETIM 10.0	EC000382
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals		Declarations of conformity and manufacturer's declarations		
Approval	Standard	Approval	Standard	Certificate Name
CSA	CAN/CSA-C22.2 No. 62368-1	70216154	EU-Declaration of Conformity	-
CSA Group			WAGO GmbH & Co. KG	
EAC	TP TC 004/2011	EAC CoC 03078		
GZO Almaty Standart				
EAC	TP TC 020/2011	EAC CoC 03081		
GZO Almaty Standart				

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Documentation**Bid Text**

787-915	12.07.2019	docx 21.62 KB	
787-915	12.07.2019	xml 7.11 KB	

Instruction Leaflet

UPS charger and control module	14.12.2020	pdf 537.72 KB	
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CAD/CAE-Data**CAD data**

2D/3D Models 787-915	
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CAE data

EPLAN Data Portal 787-915	
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