

- 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

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

Technical data

Input		Output	
Nominal input voltage $U_{i\text{nom}}$	24 VDC	Nominal output voltage $U_{o\text{nom}}$	24 VDC
Input voltage range	22 ... 28 VDC	Output voltage range	$U_i$ (rated operation); 19.5 ... 26.5 VDC (battery voltage in buffer mode)
Nominal mains frequency range	0 Hz	Nominal output current $I_{o\text{nom}}$	40 A
Input current $I_i$	$\leq 0.16$ A (no load); $\leq 4$ A (charging); $\leq 44$ A		

Energy storage systems		Signaling and Communication	
Buffer time	load-dependent	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)
Switch-on threshold	DC 21.5 ... 22.5 V (adjustable)	Operation status indicator	Green LED (operation) Yellow LED (buffer mode/charging) Red LED (warning)
Memory type	Lead-acid fleece	Remote input	Switching buffer mode off
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		



Efficiency/Power Losses	
Power loss P <sub>I</sub>	≤ 4 W; ≤ 22.5 W (nominal load)
Efficiency (typ.)	97 % (Rated operation); 85 % (Charging)

Circuit Protection	
Internal fuse	T 6.3 A (charging circuit)
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

Approvals / Certificates

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

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 787-915	



Documentation				
Bid Text			Instruction Leaflet	
787-915	12.07.2019	docx 21.62 KB	UPS charger and control module	14.12.2020 pdf 537.72 KB
787-915	12.07.2019	xml 7.11 KB		

CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 787-915	EPLAN Data Portal 787-915