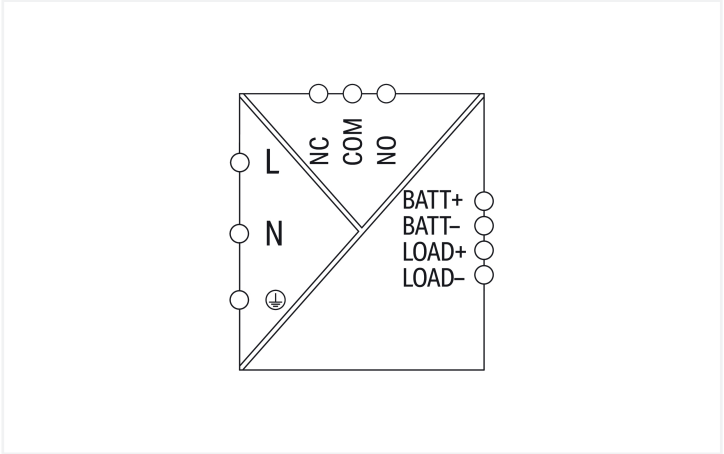
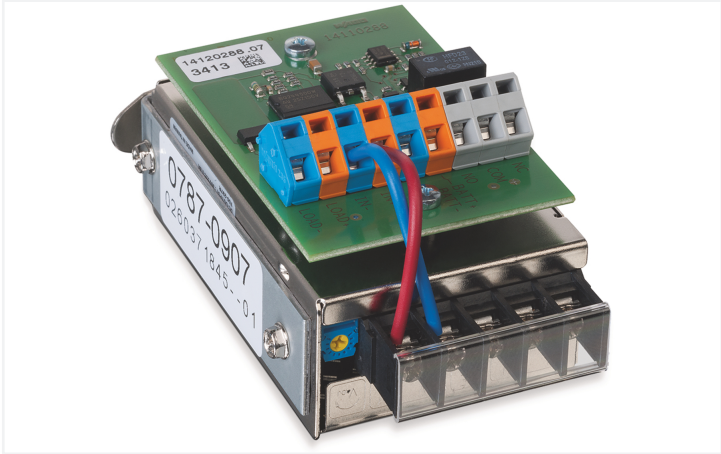




Short description:
WAGO's 787-907 Primary Switch DC Power Supply with Charging Regulator replaces the 761-9007 Power Supply with Charging Regulator in 761-9009 TO-PASS® Outdoor Housing.
The DC power supply's L, N and PE terminals are connected to the 110 ... 240 VAC mains voltage. The power supply's 30 VDC output voltage is factory-connected to the charging regulator's IN + and IN- input terminals.
In the charging regulator, an integrated circuit performs monitoring and charging regulation of the battery module connected to the BATT+ and BATT- terminals. The load is connected at the LOAD+ and LOAD- terminals of the charging regulator. A signal contact can also be used to provide a warning against exhaustive discharge, clamping points NC, COM and NO.
The charging regulator is designed for two series-connected lead-cell, lead-gel or lead-acid battery modules (each with a nominal voltage of 12 VDC, i. e., 24 VDC in sum). In the TO-PASS®Outdoor Housing, we recommend using two 761-9008 Battery Modules, and a lead gel battery (12 VDC, capacity 1.2 Ah), which is made by Sonnenschein A512/1.2S.

Technical data			
Input		Output	
Nominal input voltage $U_{i\,nom}$	110 ... 240 VAC	Nominal output voltage $U_{o\,nom}$	30 VDC (SELV)
Input voltage range	88 ... 264 VAC; 125 ... 375 VDC	Default Setting	DC 30 V
Nominal mains frequency range	50 ... 60 Hz; 0 Hz	Nominal output current $I_{o\,nom}$	0.9 A
Input current I_i	≤ 0.65 A (100 VAC)	Nominal output power	27 W
Discharge current	≤ 0.5 mA	Deviation	≤ 1 %
		Residual ripple	≤ 200 mV (peak-to-peak)
		Overload behavior	Output voltage switch-off from 1.05 ... 1.8 x $I_{o\,nom}$
Energy storage systems		Signaling and communication	
Buffer time	depends on the capacity of the battery being used	Signaling	1 x LED DC OK (green) 1 x Battery discharged relay contact (changeover contact; 5 ... 30 VDC; 500 mA; : 5 V, 1 mA)
		Operation status indicator	Green LED (U_o)
Efficiency/power losses		Circuit protection	
Power loss P_i	≤ 5 W (230 VAC; 30 VDC; nominal load)	Internal fuse	F 1.6 A / 250 VAC (power supply unit, primary side); F 1.1 A / 30 VDC (battery connection)
Efficiency (typ.)	81 % (230 VAC; 30 VDC; nominal load and charge); 84 % (230 VAC; 30 VDC; nominal load)	Backup fusing (required)	An external DC fuse is required for the DC input voltage.
		Backup fusing (recommended)	Circuit breaker: C10 or B16

Safety and protection		
Isolation voltage (pri.-sec.)	DC 4.242 kV	
Isolation voltage (pri.-PE)	DC 2.2 kV	
Isolation voltage (sec.-PE)	0.7 kVDC	
Isolation voltage (sec.-signal)	1.4 kVDC	
Protection class	I	
Protection type	IP20; per EN 60529	
Resistance to reverse feed	≤ 33 VDC	
Pollution degree	2	
Transient suppression (primary)	Varistor	
Short-circuit-protected	Yes	
Open-circuit-proof	Yes	
Parallel operation	No	
Series operation	No	

Connection data			
Note (conductor cross-section)	12 AWG: THHN, THWN		
		Connection 1	
		Connection type 1	Primary
		Connection technology	Screw connection
		Strip length	5 ... 6 mm / 0.2 ... 0.24 inches

Connection 2	
Connection type	Secondary
Connection technology	CAGE CLAMP®
WAGO connector 2	WAGO 236 Series
Solid conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 2.5 mm² / 28 ... 12 AWG

Physical data	
Width	48 mm / 1.89 inches
Height	57 mm / 2.244 inches
Depth from upper-edge of DIN-rail	104 mm / 4.094 inches

Mechanical data	
Mounting type	DIN-35 rail

Material data	
Fire load	1.8 MJ
Weight	201.4 g



Environmental requirements	
Ambient temperature (operation)	-20 ... +70 °C
Ambient temperature (storage)	-40 ... +85 °C
Relative humidity	10 ... 95 % (no condensation permissible)
Derating	-2.5 %/K (50 °C < T _{amb} ≤ 70 °C)
Climatic category	3K3 (per EN 60721)
Resistance to shock and vibration	Shock: 15g (per EN 60068-2-27)

Standards and specifications	
Conformity marking	CE
Standards/specifications	EN 60950 EN 61000-6-2 EN 61000-6-4

Commercial data	
Product Group	6 (INTERFACE ELECTRONIC)
ETIM 9.0	EC002540
ETIM 8.0	EC002540
PU (SPU)	1 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821787310
Customs tariff number	85044083900

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)	513016d8-2ccd-4200-9928-01bca0276f6a
SCIP notification number (Belgium)	b87d1537-40b0-4640-bacf-0c62fd715695
SCIP notification number (Bulgaria)	31532115-b69a-42d6-a98b-cc48ade8c184
SCIP notification number (Czech Republic)	f8b26406-7148-4c5e-8b0e-3244a9feb72f
SCIP notification number (Denmark)	dc23bb47-321c-4010-9531-66ca078a4067
SCIP notification number (Finland)	afb66d40-32fe-415e-9b71-1cd7c7693536
SCIP notification number (France)	1f4f4f7c-89c0-4496-8965-4d66e79d2d15
SCIP notification number (Germany)	d83bf070-cc9a-4a1d-8253-9b4df73b1e4e
SCIP notification number (Hungary)	4893874b-02d3-4b61-977e-61e54076dc1f
SCIP notification number (Italy)	3b80dca0-794b-4823-b838-96a7da5907f8
SCIP notification number (Netherlands)	6b5e0d98-030b-4866-ac1b-a67050920073
SCIP notification number (Poland)	fad854a7-175d-4c2f-9b5e-be7147025091
SCIP notification number (Romania)	1946d3e5-144d-49cf-b05c-34e4d98cde0a
SCIP notification number (Sweden)	2a8abafe-ba97-4cc1-8d57-d6d2804e9935



Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
EAC GZO Almaty Standart	TP TC 004/2011	EAC CoC 03078
EAC GZO Almaty Standart	TP TC 020/2011	EAC CoC 03081

Declarations of conformity and manufacturer's declarations

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

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 787-907



Documentation

Instruction Leaflet		
Primär getaktete Gleichstromversorgung mit Ladregler	pdf 278.63 KB	

