

EPSITRON® primary switch mode power supply with integrated UPS charger and controller; 24 VDC; 5 A

Item No.: 787-1675



EPSITRON® primary switch mode power supply with integrated UPS charger and controller; 24 VDC; 5 A

Marking

RoHS ✓
Compliant

Business data

Supplier	WAGO
Item no.	787-1675
GTIN / EAN	4050821502616
Content	1
Order amount	1
Customer item number	

Notes

Primary switch mode power supply with integrated charger and controller for uninterruptible power supply (UPS) Battery control technology for smooth charging and predictive maintenance applications Potential-free contacts provide function monitoring Buffer time can be set on site via rotary switch Parameter setting and monitoring via RS-232 interface Natural convection cooling when horizontally mounted Enclosed for use in switchgear cabinets Electrically isolated output voltage (SELV) acc. to EN 60950-1/UL 60950 Power loss PV: 5.2 W (battery operation, 24 VDC, 5 A)/17 W (mains operation, 230 VDC/24 VDC, 5 A) Operational indication: Green LED (DC OK), yellow LED (battery mode), red LED (warning/fault) Output voltage range: 23.0 – 28.5 VDC (mains operation) 18.5 – 27.5 VDC (battery operation) External fuse: Circuit breakers 6 A, 10 A, 16 A, B or C characteristic; An external DC fuse is required for the DC input voltage Signaling: 3 x 24 VDC signal output, 25 mA and 1 x 30 VDC isolated relay contact, 1 A

Technical data

Miscellaneous

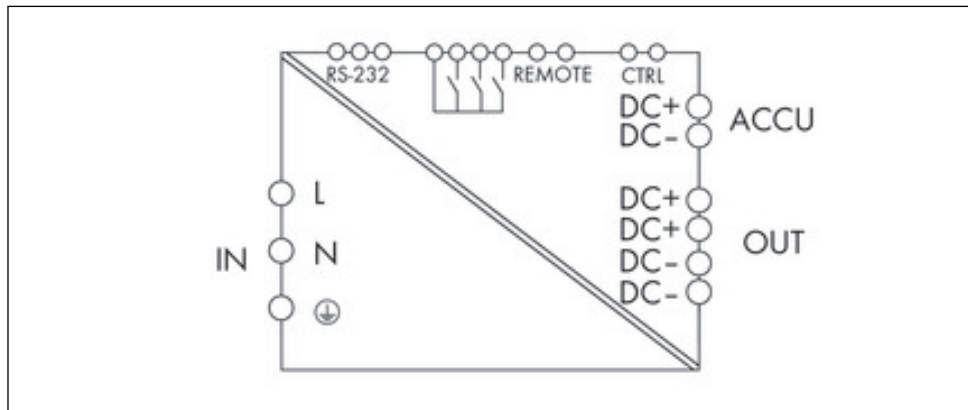
Inrush current	< 30 A
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Technical data	
Reverse voltage protection	yes
Protection class	I
Wire connection 1	WAGO 721 Series
Cable length [m]	3 [m]
Degree of pollution	2 (acc. to EN 50178)
Input voltage range	85 ... 264 VAC
Frequency	44 Hz ... 66 Hz; 0 Hz
Nominal input voltage $V_i \text{ nom}$	100 ... 240 VAC; 110 ... 370 VDC
Input current I_i	1,1 A at 230 VAC and 5 ADC
Discharge current	1 mA typ.
Internal fuse	T 4 A / 250 V (input side)
Nominal output voltage $V_o \text{ nom}$	24 VDC, SELV
Output current I_o	5 A
Residual ripple	< 100 mV (peak-to-peak)
Derating	-3 % / K (> +50 °C)
Adjustment accuracy [%]	< 1 [%]
Current limitation	1.1 x I_o ; TopBoost approx. 24 A
Buffer time	0.5 – 20 min, IPC mode or constant (adjustable)
Final load voltage	26 – 29.5 VDC temperature-controlled (fixed or adjustable)
Charging current	0.3 A ... 0.6 A
Parallel operation	yes, max. 3 battery modules for buffer time extension
Feedback voltage	max. 35 VDC
Efficiency	89 % typ.
Test voltage pri. - gr. [kV]	2.2 kV DC [kV]
Test voltage PRI-SEC [kV]	4.2 kV DC [kV]
Test voltage sec. - gr. [kV]	0.7 kV DC [kV]
Degree of protection	IP20 (acc. to EN 60529)
Remote input	to switch off buffer operation
LineMonitor, parameter setting	via RS-232 serial interface
Overvoltage category	II
Connection technology (1)	CAGE CLAMP®
Solid sizes 1	0.08 ... 2.5 mm² / 28 ... 12 AWG
Strip length 1	13 ... 15 mm / 0.51 ... 0.59 in

Technical data	
<i>Solid, connectable 2</i>	<i>0.08 ... 0.5 mm² / 28 ... 20 AWG</i>
<i>Strip length 2</i>	<i>8 ... 9 mm / 0.31 ... 0.35 in</i>
<i>Weight [g]</i>	<i>885 [g]</i>
<i>Width</i>	<i>60 mm / 2.362 in</i>
<i>Height</i>	<i>127 mm / 5 in</i>
<i>Length</i>	<i>135.5 mm / 5.335 in</i>
<i>Storage temperature</i>	<i>-25 °C ... +85 °C</i>
<i>Standards/specifications</i>	<i>EN 60950, UL 60950, UL 508, EN 61204-3, GL</i>
<i>Ambient operating temperature</i>	<i>-25 °C ... +70 °C; Device start at -40 °C type-tested</i>
<i>Mounting type</i>	<i>DIN-rail-mount (EN 60715)</i>
<i>Climatic category</i>	<i>3K3 (acc. to EN 60721)</i>
<i>Relative humidity</i>	<i>5 % ... 96 % (no condensation permissible)</i>

Images & drawings





Address

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Technische Änderungen und Irrtümer vorbehalten.