

Data Sheet | Item Number: 787-1712

Switched-mode power supply; Eco; 1-phase; 24 VDC output voltage; 2.5 A output current; DC-OK LED

<https://www.wago.com/787-1712>



Features:

- Switched-mode power supply
- Natural convection cooling when horizontally mounted
- Encapsulated for use in control cabinets
- Suitable for both parallel and series operation
- Electrically isolated output voltage (SELV) per EN 60335-1 and UL 60950-1; PELV per EN 60204
- DIN-35 rail mountable in different positions
- Direct installation on mounting plate via cable grip

Technical data

Input		Output	
Phases	1	Nominal output voltage $U_{o\ nom}$	DC 24 V (SELV)
Nominal input voltage $U_{i\ nom}$	1 x AC 100 ... 240 V	Output voltage range	DC 22 ... 26 V (adjustable)
Input voltage range	1 x AC 90 ... 264 V; DC 125 ... 375 V	Default Setting	DC 24 V
Nominal mains frequency range	47 ... 63 Hz; 0 Hz	Nominal output current $I_{o\ nom}$	2.5 A (24 VDC; 110 ... 240 VAC); 2 A (24 VDC; 100 ... 240 VAC)
Input current I_i	$\leq 0.6\text{ A}$ (230 VAC); $\leq 1.2\text{ A}$ (115 VAC)	Nominal output power	60 W
Discharge current	$\leq 1.5\text{ mA}$	Deviation	$\leq 1\%$
Inrush current	$\leq 18\text{ A}$	Residual ripple	$\leq 200\text{ mV}$ (peak-to-peak)
Power factor correction (PFC)	Passive	Overload behavior	Constant power (in overload range: 1.05 ... 1.4 x $I_{o\ nom}$); Shutdown and automatic restart in the event of a short circuit
Mains failure hold-up time	$\geq 10\text{ ms}$ (230 VAC)		

Signaling and communication

Signaling	1 x LED DC OK (green)
Operation status indicator	Green LED (U_o)

Efficiency/power losses

Power loss P_l	$\leq 12\text{ W}$ (230 VAC; 24 VDC; 2.5 A)
Efficiency (typ.)	88 % (230 VAC; 2.5 ADC)

Circuit protection

Internal fuse	F 2 A / 250 VAC
Backup fusing (required)	An external DC fuse is required for the DC input voltage.
Backup fusing (recommended)	Circuit breaker: B6, B10

Physical data

Width	40 mm / 1.575 inches
Height	90 mm / 3.543 inches
Depth from upper-edge of DIN-rail	99 mm / 3.898 inches

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at: www.wago.com