

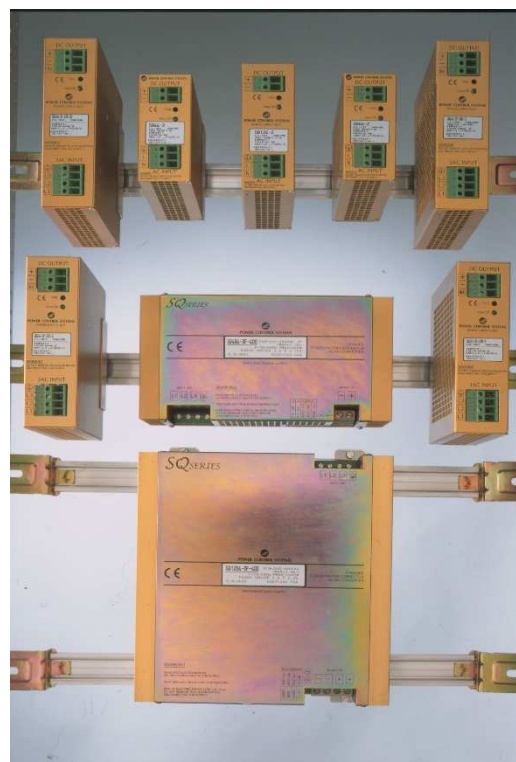
DC Power supplies - Range SQ

The SQ series is a range of single voltage DC power supplies, specifically designed for a mounting on DIN rail.

Depending on the model chosen, the input network can be 115 Vac, 230 Vac single phase or 400 Vac three phase. The Power Factor Correction (PFC) according to EN61000-3-2 class A is also integrated.

Compact and efficient, this range has been UL and C-UL approved and is EC marked.

This range is perfectly adapted to all applications of type distribution boards or electronic cabinets.



Standard range – single phase:

Article	Designation	Input voltage	Output voltage (V)	Output Power (W)	Output current (A)	Dimensions (mm) D x H x W
25000024	SQ63-1F	single phase universal (90-264 Vac)	12 Vdc	60	5A	140 x 106 x 50
25000194	SQ123-1F-DD-AL	single phase 230Vac (180-264 Vac)	12 Vdc	120	8A	140 x 125 x 50
25000095	SQ243-1F-DD-AL	single phase 230Vac (180-264 Vac)	12 Vdc	240	15A	140 x 170 x 50
25000096	SQ483-1F-DD-AL	single phase 230Vac (180-264 Vac)	12 Vdc	480	30A	80 x 133 x 246
25000097	SQ963-1F-DD-AL	single phase 230Vac (180-264 Vac)	12 Vdc	960	60A	80 x 264 x 246
25000025	SQ66-1F	single phase universal (90-264 Vac)	24 Vdc	60	2.5A	140 x 106 x 50
25000082	SQ126-1F-DD-AL	single phase 230Vac (180-264 Vac)	24 Vdc	120	5A	140 x 125 x 50
25000098	SQ246-1F-DD-AL	single phase 230Vac (180-264 Vac)	24 Vdc	240	10A	140 x 170 x 50
25000093	SQ486-1F-DD-AL	single phase 230Vac (180-264 Vac)	24 Vdc	480	20A	80 x 133 x 246
25000085	SQ966-1F-DD-AL	single phase 230Vac (180-264 Vac)	24 Vdc	960	40A	80 x 264 x 246
25000099	SQ1206-1F-DD-AL	single phase universal (90-264 Vac)	24 Vdc	1200	50A	80 x 264 x 246
25000026	SQ68-1F	single phase universal (90-264 Vac)	48 Vdc	60	1.25A	140 x 106 x 50
25000100	SQ128-1F-DD-AL	single phase 230Vac (180-264 Vac)	48 Vdc	120	2.5A	140 x 125 x 50
25000101	SQ248-1F-DD-AL	single phase 230Vac (180-264 Vac)	48 Vdc	240	5A	140 x 170 x 50
25000102	SQ488-1F-DD-AL	single phase 230Vac (180-264 Vac)	48 Vdc	480	10A	80 x 133 x 246
25000173	SQ968-1F-DD-AL	single phase 230Vac (180-264 Vac)	48 Vdc	960	20A	80 x 264 x 246
25000143	SQ1208-1F-DD-AL	single phase universal (90-264 Vac)	48 Vdc	1200	25A	80 x 264 x 246

Standard range – three phase:

Article	Designation	Input voltage	Output voltage (V)	Output Power (W)	Output current (A)	Dimensions (mm) D x H x W
25000308	SQ136-3F-400-DD	Triphasé 400Vac (340-576 Vac)	24 Vdc	120	5A	130 x 136 x 45 din-rail only
25000317	SQ256-3F-400-DD	Triphasé 400Vac (340-576 Vac)	24 Vdc	240	10A	130 x 170 x 45 din-rail only
25000328	SQ496-3F-400-DD	Triphasé 400Vac (340-576 Vac)	24 Vdc	480	20A	135 x 125 x 140 din-rail only
25000327	SQ976-3F-400-DD	Triphasé 400Vac (340-576 Vac)	24 Vdc	960	40A	130 x 170 x 195 din-rail only
25000125	SQ1206-3F-400-DD-AL	Triphasé 400Vac (340-576 Vac)	24 Vdc	1200	50A	80 x 264 x 246
25000126	SQ128-3F-400-DD	Triphasé 400Vac (340-576 Vac)	48 Vdc	120	2,5A	140 x 125 x 50
25000127	SQ248-3F-400-DD	Triphasé 400Vac (340-576 Vac)	48 Vdc	240	5A	140 x 170 x 50
25000128	SQ488-3F-400-DD	Triphasé 400Vac (340-576 Vac)	48 Vdc	480	10A	80 x 133 x 246
25000129	SQ968-3F-400-DD	Triphasé 400Vac (340-576 Vac)	48 Vdc	960	20A	80 x 264 x 246
25000130	SQ1208-3F-400-DD-AL	Triphasé 400Vac (340-576 Vac)	48 Vdc	1200	25A	80 x 264 x 246

Main specifications:

Output electrical characteristics :

- Input voltage depending on model :
 - 90 to 264 Vac single phase with PFC
 - 115/230 Vac single phase with internal switch
 - 400 Vac three phase
- Frequency: 47 to 63 Hz.

Output electrical characteristics :

- 12, 24 or 48Vdc \pm 0,5%
- Voltage adjustable with external potentiometer
Other voltages on request
- Regulation : \pm 2 %
- Residual ripple : <200 mV
- Typical efficiency > 83 %
- Equipped with distribution diodes (models DD)

Presentation :

- Metal cabinet with fixing on DIN rail
- Fixing by screw : optional
- Connection : Screw terminal

Signalisation :

- Green Led : Output voltage ON
- Remote alarm (models AL)

Electric rigidity

- Input / output : 3750Vac
- Input / earth : 1750Vac
- Output / earth : 500Vdc

Input protection :

- By fuse
- Limitation of the inrush current
- Filter RFI

Output protection :

- Against short-circuits with automatic restarting
- Against overloads
- Against over voltages

Operation temperature

- -10 to +60°C (derating of 2%/°C over 50°C)
- Natural ventilation except SQ 96X and SQ120X

Storage temperature :

- 25°C to + 85°C

Options :

- Tropicalization
- Anti-vibration reinforcing

Standards :

- Security : EN60950
- Approved UL/CSA
- Conformity : EN50081-1, EN61000-6-2 and EN61000-3-2 class A
- EC marking

FC-SQ-EN-E

The information contained in this leaflet is not of a contractual nature. ENAG reserves the right to amend the technical details of its products without advance notice.

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