

DC POWER SUPPLIES

SQ RANGE



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. 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 applications such as switchboards or electronic cabinets



STANDARD RANGE - 60W to 240W

ARTICLE	DESCRIPTION	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT POWER	OUTPUT CURRENT	DIMENSIONS (MM) D . X H X W
25000024	SQ63-1F	Monophasé universel (90-264 VCA)	12 V	60W	5A	140 x 106 x 50
25000025	SQ66-1F	Monophasé universel (90-264 VCA)	24 V	60W	2.5A	140 x 106 x 50
25000026	SQ68-1F	Monophasé universel (90-264 VCA)	48 V	60W	1.25A	140 x 106 x 50
25000194	SQ123-1F-DD-AL	Monophasé 230Vca (180-264 VCA)	12 V	96W	8A	140 x 125 x 50
25000082	SQ126-1F-DD-AL	Monophasé 230Vca (180-264 VCA)	24 V	120W	5A	140 x 125 x 50
25000100	SQ128-1F-DD-AL	Monophasé 230Vca (180-264 VCA)	48 V	120W	2.5A	140 x 125 x 50
25000095	SQ243-1F-DD-AL	Monophasé 230Vca (180-264 VCA)	12 V	180W	15A	140 x 170 x 50
25000098	SQ246-1F-DD-AL	Monophasé 230Vca (180-264 VCA)	24 V	240W	10A	140 x 170 x 50
25000101	SQ248-1F-DD-AL	Monophasé 230Vca (180-264 VCA)	48 V	240W	5A	140 x 170 x 50

STANDARD RANGE - 480W to 1200W

ARTICLE	DESCRIPTION	INPUT VOLTAGE	OUTPUT VOLTAGE	OUTPUT POWER	OUTPUT CURRENT	DIMENSIONS (MM) D . X H X W
25000096	SQ483-1F-DD-AL	Monophasé 230Vca (180-264 VCA)	12 V	480 W	30A	80 x 133 x 246
25000097	SQ963-1F-DD-AL	Monophasé 230Vca (180-264 VCA)	12 V	960 W	60A	80 x 264 x 246
25000093	SQ486-1F-DD-AL	Monophasé 230Vca (180-264 VCA)	24 V	480 W	20A	80 x 133 x 246
25000085	SQ966-1F-DD-AL	Monophasé 230Vca (180-264 VCA)	24 V	960 W	40A	80 x 264 x 246
25000099	SQ1206-1F-DD-AL	Monophasé universel (90-264 VCA)	24 V	1200 W	50A	80 x 264 x 246
25000102	SQ488-1F-DD-AL	Monophasé 230Vca (180-264 VCA)	48 V	480 W	10A	80 x 133 x 246
25000173	SQ968-1F-DD-AL	Monophasé 230Vca (180-264 VCA)	48 V	960 W	20A	80 x 264 x 246
25000143	SQ1208-1F-DD-AL	Monophasé universel (90-264 VCA)	48 V	1200 W	25A	80 x 264 x 246
25000146	SQ1209-1F-DD-AL	Monophasé (110-230 VCA)	110 V	1210W	10A	80 x 264 x 246
25000290	SQ249-X-P-2.7-DD-AL	Monophasé (230 VCA)	108 V	332W	2,7A	140 x 170 x 50
25000013	SQ249-X-P-2.7-DD-AL	Monophasé (230 VCA)	122,6 V	332W	2,7A	140 x 170 x 50
25000124	SQ966-3F-400-DD-AL	Triphasé 400 VCA (340-576 VCA)	24 V	960W	40A	80 x 264 x 246
25000125	SQ1206-3F-400-DD-AL	Triphasé 400 VCA (340-576 VCA)	24 V	1200 W	50A	80 x 264 x 246
25000334	SQ1506-3F-400-DD-AL	Triphasé 400 VCA (340-576 VCA)	24 V	1440W	62A	80 x 264 x 246

SQ – MAIN TECHNICAL SPECIFICATION

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 above 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