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POWER SUPPLY 1-PHASE, 36 V DC DIMENSION Q SERIES

QS40.361
PSU 100-240V ac I/P 36V dc 26.7A 960W O/P



- Width 125mm
- 94,6% efficiency
- 50 % Bonuspower 4s
- DC-OK relay, Hiccup Plus, active PFC and remote shut-down

PRODUCT DESCRIPTION

TECHNICAL DATA

INPUT DATA

Input voltage ac	100-240 V
Input voltage ac min	90 V AC
Input voltage ac max	264 V AC
Inrush current at 120 V ac typical	17 A
Inrush current at 230 V ac typical	11 A
Input voltage range	Wide-range
Power factor at 120 V ac, full load. Typical	0.99
Power factor at 230 V ac, full load. Typical	0.99
Number of phases	1

OUTPUT DATA

Output voltage	36 V DC
Output voltage min	36 V DC
Output voltage max	42 V DC
Output current	26.7 A
Power	960 W

EFFICIENCY / LIFETIME / MTBF

Efficiency at 120 V ac, full load, typical	93.5 %
Efficiency at 230 V ac, typical	93.6 %
Efficiency at 230 V ac, full load, typical	94.6 %
Lifetime at 120 V ac, full load and +40 ° C	55000 h
Lifetime at 230 V ac, full load and +40 ° C	58000 h
MTBF (IEC 61709) 230 V ac, max load, 40 ° C	537000 h

DIMENSIONS

Width	125 mm
Height	124 mm
Depth	127 mm
Weight	1.9 kg

OTHER

Approvals	ABS, CB, CE, CSA, EX, GL, IECEx, UL
Hold time at 120 V ac, typical full load	27 ms
Hold time at 230 V ac, typical full load	27 ms
IP class	IP20
Clamp type	Spring-clamp
Material protection	Aluminium
Supply frequency	50-60 ±6 %
Ripple max	130 mV pp
Series	Dimension Q
Power consumption 120 V ac	8.6 A
Power consumption 230 V ac	4.5 A
Power drop from +60 °C to + 70 °C	24 W/°C
Temperature min without derating	-25 °C
Temperature max without derating	60 °C

DC relay output	Yes

Fig. 6-1 **Output voltage vs. output current in "single use" mode, typ.**

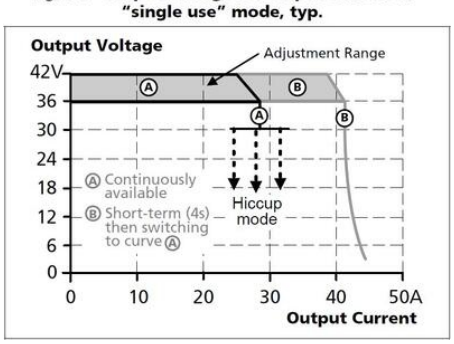


Fig. 6-4 **Dynamic overcurrent capability, typ.**

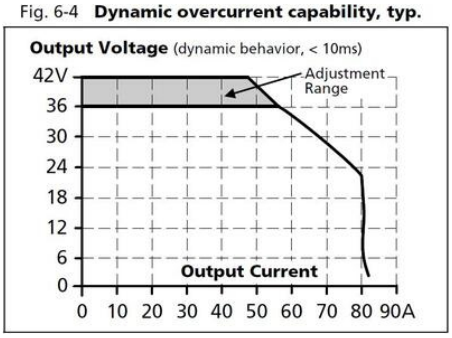


Fig. 18-1 **Output current vs. ambient temp.**

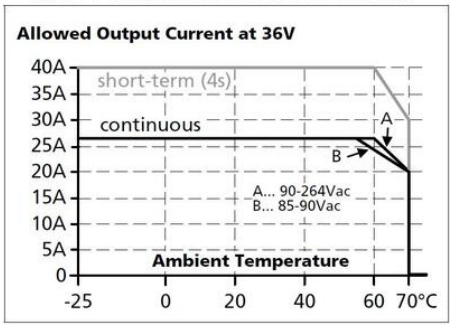
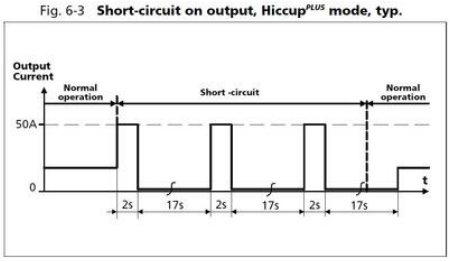


Fig. 6-3 **Short-circuit on output, Hiccup^{PLUS} mode, typ.**



Bonus Time

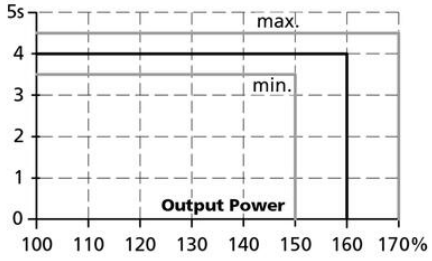


Fig. 12-1 **Efficiency vs. output current at 36V, typ.**

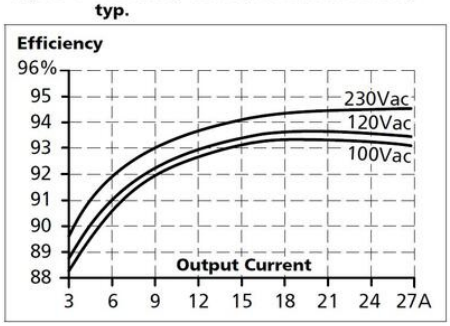


Fig. 12-2 **Losses vs. output current at 36V, typ.**

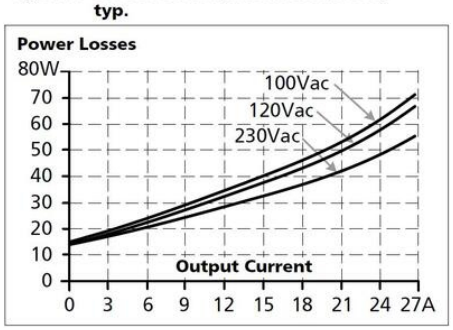


Fig. 16-1 **Front side**

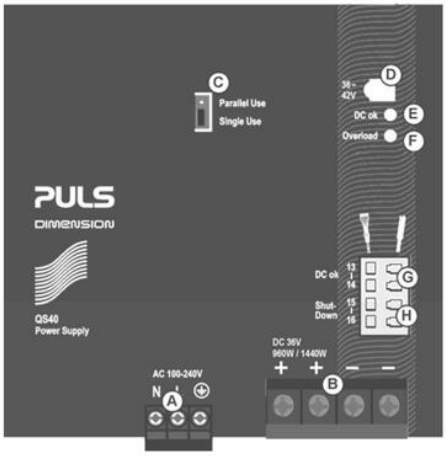


Fig. 23-1 **Front view**

