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

QS40.361
Powersupply 100-240 V/ 36VDC/13A



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

PRODUCT DESCRIPTION

SPECIFICATIONS

Input voltage range	Wide-range
Number of phases	1
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
Power Factor at 120 V AC, full load. Typical	0.99
Power Factor at 230 V AC, full load. Typical	0.99
Supply Frequency	50-60 ±6 %
Power Consumption At 120 V AC	8.6 A
Power Consumption At 230 V AC	4.5 A

Output voltage	36 V DC
Output voltage min	36 V DC
Output voltage max	42 V DC
Output Current	26.7 A
Effect	960 W

Power Reduction Of 60 To 70 ° C	24 W/°C
Ripple. max	130 mV pp
Temperature Range Without Derating From	-25 °C
Temperature Range Without Derating To	60 °C

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, Maximum Load, 40 ° C	537000 h

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

Clamp type	Spring-clamp

Series	Dimension Q
Approvals	ABS, CB, CE, CSA, EX, GL, IECEx, UL
DC relay output	Yes
Material Protection	Aluminium
Hold-up time at 120 V AC, full load. Typical.	27 ms
Hold-up time at 230 V AC, full load. Typical.	27 ms
IP Class	IP20

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

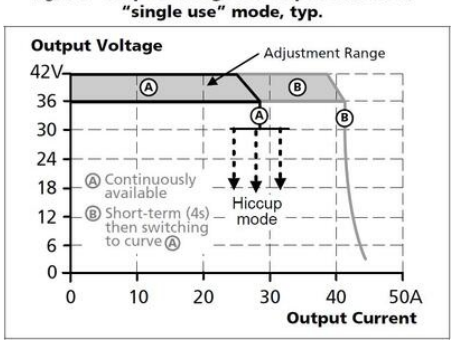


Fig. 6-4 **Dynamic overcurrent capability, typ.**

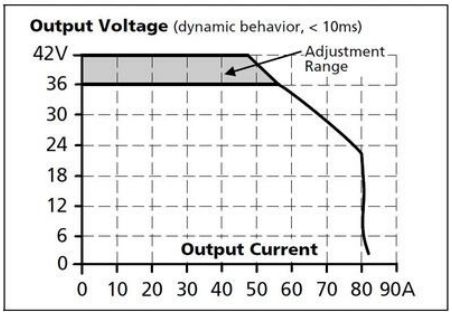


Fig. 18-1 **Output current vs. ambient temp.**

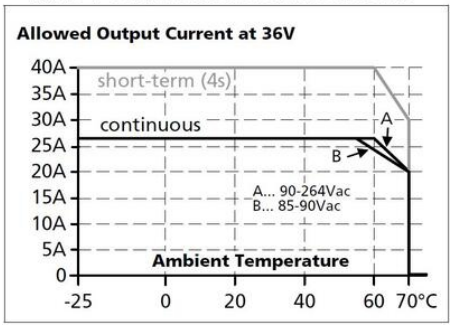
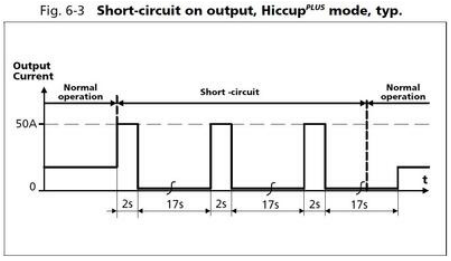


Fig. 6-3 **Short-circuit on output, Hiccup^{PLUS} mode, typ.**



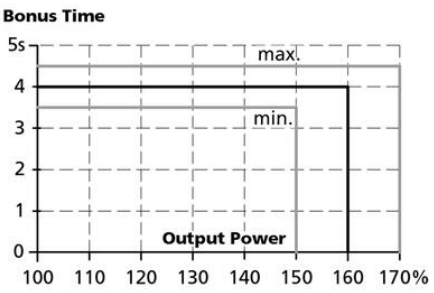


Fig. 12-1 **Efficiency vs. output current at 36V, typ.**

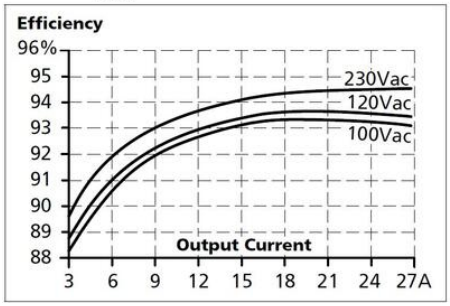


Fig. 12-2 **Losses vs. output current at 36V, typ.**

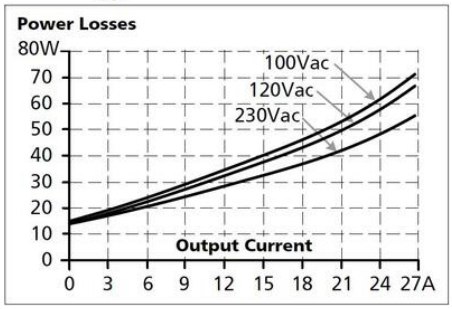


Fig. 16-1 **Front side**

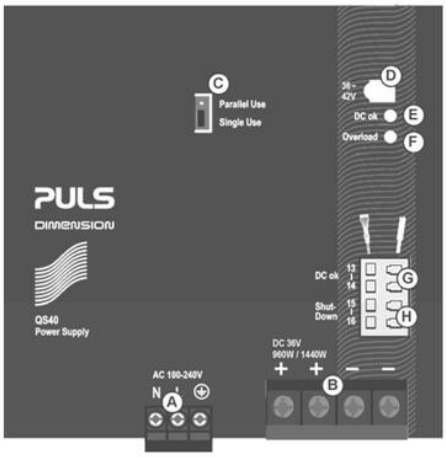


Fig. 23-1 **Front view**

