

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

QS40.361  
 POWER SUPPLY 36VDC 20A

- 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 range	Wide-range
Input voltage ac	100-240 V
Input voltage ac min	90 V AC
Input voltage ac max	264 V AC
Number of phases	1
Inrush current at 230 V ac typical	11 A
Inrush current at 120 V ac typical	17 A
Power factor at 120 V ac, full load. Typical	0,99
Power factor at 230 V ac, full load. Typical	0,99

#### OUTPUT DATA

Output voltage min	36 V DC
Output voltage	36 V DC
Output voltage max	42 V DC
Power	960 W
Output current	26,7 A

### EFFICIENCY / LIFETIME / MTBF

<b>Lifetime at 120 V ac, full load and +40 ° C</b>	55000 h
<b>MTBF (IEC 61709) 230 V ac, max load, 40 ° C</b>	537000 h
<b>Efficiency at 230 V ac, full load, typical</b>	94,6 %
<b>Efficiency at 230 V ac, typical</b>	93,6 %
<b>Lifetime at 230 V ac, full load and +40 ° C</b>	58000 h
<b>Efficiency at 120 V ac, full load, typical</b>	93,5 %

## DIMENSIONS

<b>Weight</b>	1,9 kg
<b>Depth</b>	127 mm
<b>Width</b>	125 mm
<b>Height</b>	124 mm

## OTHER

<b>IP class</b>	IP20
<b>Power consumption 120 V ac</b>	8,6 A
<b>Ripple max</b>	130 mV pp
<b>Power drop from +60 °C to + 70 °C</b>	24 W/°C
<b>Clamp type</b>	Spring-clamp
<b>Temperature min without derating</b>	-25 °C
<b>Hold time at 120 V ac, typical full load</b>	27 ms
<b>Series</b>	Dimension Q
<b>Hold time at 230 V ac, typical full load</b>	27 ms
<b>Power consumption 230 V ac</b>	4,5 A
<b>Supply frequency</b>	50-60 ±6 %
<b>Approvals</b>	ABS, CB, CE, CSA, EX, GL, IECEx, UL
<b>Temperature max without derating</b>	60 °C
<b>Material protection</b>	Aluminium
<b>DC relay output</b>	Yes

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

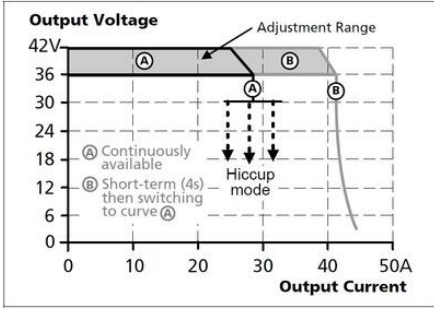


Fig. 6-4 Dynamic overcurrent capability, typ.

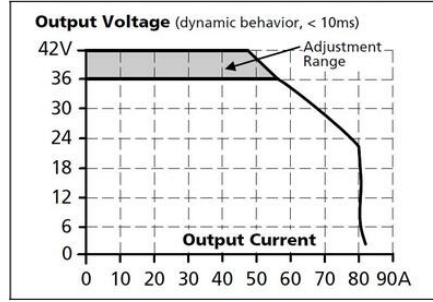


Fig. 18-1 Output current vs. ambient temp.

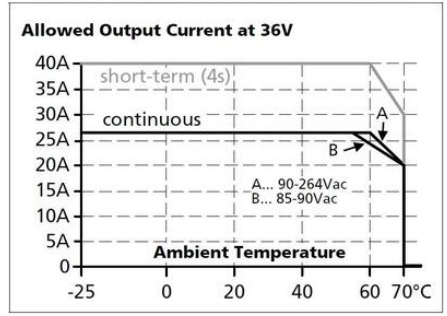
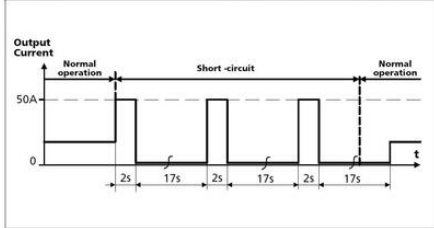


Fig. 6-3 Short-circuit on output, Hiccup<sup>PLUS</sup> mode, typ.



Bonus Time

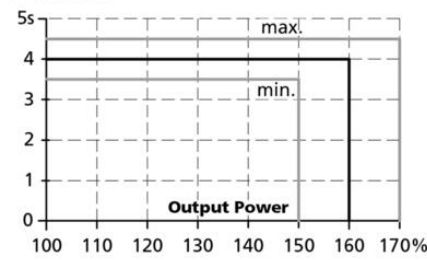


Fig. 12-1 Efficiency vs. output current at 36V, typ.

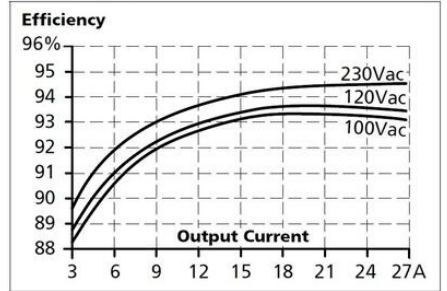


Fig. 12-2 Losses vs. output current at 36V, typ.

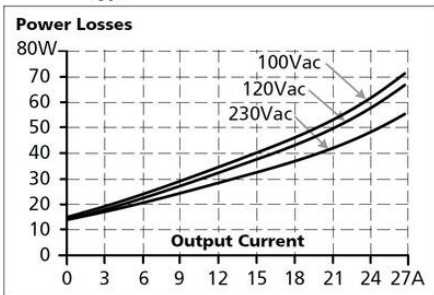


Fig. 16-1 Front side

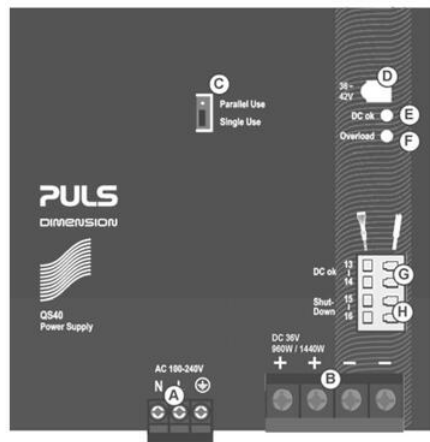


Fig. 23-1 Front view

