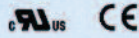


Quint Power 24V DC Power Supplies



Semi F47-200



\$177



\$246



\$357

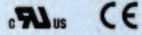


\$561

1-phase	QUINT-PS-1AC/24DC/3.5	QUINT-PS-1AC/24DC/5	QUINT-PS-1AC/24DC/10	QUINT-PS-1AC/24DC/20
	Order No. 2866747	Order No. 2866750	Order No. 2866763	Order No. 2866776
Nominal input voltage (Wide-range input)	100 – 240 V AC	100 – 240 V AC	100 – 240 V AC	100 – 240 V AC
Input voltage range	85 – 264 V AC (45–65 Hz) 300 V AC short-term 90 – 350 V DC (0 Hz)	85 – 264 V AC (45–65 Hz) 300 V AC short-term 90 – 350 V DC (0 Hz)	85 – 264 V AC (45–65 Hz) 300 V AC short-term 90 – 350 V DC (0 Hz)	85 – 264 V AC (45–65 Hz) 300 V AC short-term 90 – 350 V DC (0 Hz)
Current consumption (nominal load)	approx. 1.35 A (120 V AC), 0.82 A (230 V AC)	approx. 1.2 A (120 V AC), 0.6 A (230 V AC)	approx. 2.77 A (120 V AC), 1.24 A (230 V AC)	approx. 5.1 A (120 V AC)/ 2.3 A (230 V AC)
Inrush current limitation/ I^2t (+25°C typ.)	< 20 A / < 2 A ² s	< 15 A / < 1 A ² s	< 15 A / < 1.5 A ² s	< 20 A / < 3.2 A ² s
Mains buffering at nominal load (typ.)	> 20 ms (120 V AC) > 80 ms (230 V AC)	> 30 ms (120 V AC) > 30 ms (230 V AC)	> 40 ms (120 V AC) > 40 ms (230 V AC)	> 20 ms (120 V AC) > 20 ms (230 V AC)
Input fuse/ recommended backup fuse (power circuit-breaker)	internal 5 AT / B6 A, B10 A, B16 A	internal 5 AT / B6 A, B10 A, B16 A	internal 6.3 AT / B10 A, B16 A	internal 12 AT / B10 A, B16 A
Nominal output voltage U_N	24 V DC	24 V DC	24 V DC	24 V DC
Setting range of the output voltage	18 – 29,5 V DC	18 – 29,5 V DC	18 – 29,5 V DC	18 – 29,5 V DC
Output current with convection cooling				
Nominal output current	3,5 A	5 A	10 A	20 A
POWER BOOST	4 A	7,5 A	15 A	26 A
SFB technology	15 A / 12 ms	30 A / 12 ms	60 A / 12 ms	120 A / 12 ms
Can be connected in parallel and series	✓	✓	✓	✓
Maximum power dissipation (idling/nominal load)	approx. 3.5 W / 12 W	approx. 3 W / 14 W	approx. 8 W / 24 W	approx. 10 W / 46 W
Efficiency (230 V AC, nominal load)	> 88 %	> 90 %	> 92,5 %	> 93 %
Ripple	< 50 mVpp	< 40 mVpp	< 50 mVpp	< 80 mVpp
Signaling	active signal output, floating relay contact, LED	active signal output, floating relay contact, LED	active signal output, floating relay contact, LED	active signal output, floating relay contact, LED
MTBF as per IEC 61709 (40°C, nominal load)	> 500 000 h	> 500 000 h	> 500 000 h	> 500 000 h
Dimensions (W/H/D)	32/130/125 mm	40/130/125 mm	60/130/125 mm	90/130/125 mm
Ambient temperature	-25 °C ... + 70 °C	-25 °C ... + 70 °C	-25 °C ... + 70 °C	-25 °C ... + 70 °C



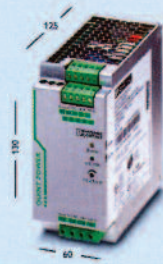
Quint Power 24V DC Power Supplies



Semi F47-200



\$256



\$356



\$475

3-phase	QUINT-PS-3AC/24DC/5	QUINT-PS-3AC/24DC/10	QUINT-PS-3AC/24DC/20
	Order No. 2866734	Order No. 2866705	Order No. 2866792
Nominal input voltage (Wide-range input)	2/3x400 – 500 V AC	2/3x400 – 500 V AC	3x400 – 500 V AC
Input voltage range	3x320 – 575 V AC (45–65 Hz) 2x360 – 575 V AC (45–65 Hz) 450 – 800 V DC (0 Hz)	3x320 – 575 V AC (45–65 Hz) 2x360 – 575 V AC (45–65 Hz) 450 – 800 V DC (0 Hz)	3x320 – 575 V AC (45–65 Hz) 450 – 800 V DC (0 Hz)
Current consumption (nominal load)	approx. 3x 0,8 A (400 V AC)/ 0,7 A (500 V AC)	approx. 3x 1,2 A (400 V AC)/ 1 A (500 V AC)	approx. 3x 1,6 A (400 V AC)/ 1,3 A (500 V AC)
Inrush current limitation/ I^2t (+25°C typ.)	< 15 A / < 1 A ² s	< 15 A / < 1,5 A ² s	< 20 A / < 3,2 A ² s
Mains buffering at nominal load (typ.)	> 20 ms (400 V AC) > 30 ms (500 V AC)	> 20 ms (400 V AC) > 30 ms (500 V AC)	> 20 ms (400 V AC) > 30 ms (500 V AC)
Input fuse/ recommended backup fuse (power circuit-breaker)	B6 A, B10 A, B16 A	B6 A, B10 A, B16 A	B6 A, B10 A, B16 A
Nominal output voltage U_N	24 V DC	24 V DC	24 V DC
Setting range of the output voltage	18 – 29,5 V DC	18 – 29,5 V DC	18 – 29,5 V DC
Output current with convection cooling			
Nominal output current	5 A	10 A	20 A
POWER BOOST	7,5 A	15 A	26 A
SFB technology	30 A / 12 ms	60 A / 12 ms	120 A / 12 ms
Can be connected in parallel and series	✓	✓	✓
Maximum power dissipation (idling/nominal load)	approx. 4 W / 16 W	approx. 8 W / 25 W	approx. 6 W / 42 W
Efficiency (230 V AC, nominal load)	> 89 %	> 93 %	> 93 %
Ripple	< 20 mVpp	< 20 mVpp	< 40 mVpp
Signaling	active signal output, floating relay contact, LED	active signal output, floating relay contact, LED	active signal output, floating relay contact, LED
MTBF as per IEC 61709 (40°C, nominal load)	> 500 000 h	> 500 000 h	> 500 000 h
Dimensions (W/H/D)	40/130/125 mm	60/130/125 mm	69/130/125 mm
Ambient temperature	-25 °C ... + 70 °C	-25 °C ... + 70 °C	-25 °C ... + 70 °C

Worldwide use
due to wide-range input and international approval

Operational reliability
due to high MTBF > 500.000 h and long mains buffering times > 20 ms. high voltage resistance up to 300V AC, 1-phase

To connect in parallel
to increase power and achieve redundancy

SEMI F47-200
meets the requirements of the semiconductor industry as regards mains voltage dips

Three-phase devices
proper operation even when a phase permanently fails, high surge voltage strength up to 6 kV using integrated gas arrester

In order to be able to trigger standard power circuit-breakers magnetically and quickly, power supply units must be able to supply multiple nominal current for a short period. With **SFB technology** (Selective Fusebreaking Technology) with six times the nominal current for 12 ms. this current reserve is always available.

Worn display cable: The fuse triggers and the lower level display is dark. The control unit and the sensor and actuator systems continue to operate without any interruption and production continues.

**Contact
AA Electric
for Quantity Pricing**



www.a-aelectric.com **AA ELECTRIC** 1-800-237-8274

Information & Pricing subject to change without notice.