

QBe

series

Electronic
Power
Supply



SPM SILAP POWER MANAGEMENT

we power you

Silap Power Management

shows on the market the electronic digital power supplies **QBE series**. Not only power systems but a style, a philosophy of technology. Silap Power Management will be Your partner to grow into the market. Silap Power Management will create technological solutions for Your needs following our mission: "We power you."



we power ideas

A highly innovative creativity. Imagination not just related to technology. This is the power of SPM ideas.

we got the power

Every company needs a partner to grow with. To be every day more competitive. To take advantage in the market. A partner that knows how to create and develop a continuous innovation.

we power green

Environmental sustainability. Energy efficiency. Ecology. SPM has the ideas and the technologies to turn words into deeds.



made in Italy



The UV **QBe® series** is a new generation high performance switch mode power supply units industrial UV lamp with a range of power **from 3 to 27 kW**, based on high speed IGBT and phase shifting technology.

The units are a stepless controlling power supply to provide high efficiency and performance. Compact mechanical dimensions and reduced weight versus conventional UV lamp power supply without compromise reliability.

Their high operating frequency makes possible to have an output signal more stable than conventional power supply.

QBe® series common features

- The output produced is a square-wave signal, that have **QBe® series** able to provide more UV with lower power consumption (respect to low frequency power supply and transformers).
- Stepless control of the lamp power from 10% to 100% depending on working speed.
- Low response-time makes **QBe® series** more reactive to the power request changes.
- Minimum 95% efficiency and square-output signal.
- CE sign, EMC compliance with appropriate RF mains filter.
- IP20 protection.
- High operating frequency.
- Close loop output power control.
- No ignitor needed.
- Stand-by from 15%.
- Easy installation.



The **QBe®** can power every UV lamp up to 27 kW (more on request). Both air and water cooled version are available.



Technical specifications	Water cooled	Air cooled
Output Characteristics		
Lamp power	10 – 27 kW	10 – 21 kW
Lamp voltage	Max. 2700 V	
Lamp current	Max. 35 A	
Input Requirements		
24V Max. power consumption	25 W (+ contactor bobbin power consumption)	
220V Fan power consumption	65 W	
Mains voltage	360-530 V	
Mains current (at 27 kW)	3 x 35 A	
Mains frequency	50-60 Hz	
Electrical Properties		
Cos φ	> 0,99	
Electrical efficiency	> 0,95	
Power line loading	Symmetrically on 3 phases	
Connection	L1, L2, L3, PE	L1, L2, L3, PE, N
Control range (respect of max. power)	10 % - 100 %	
Physical Properties		
Ambient temperature	Up to 40 °C / Up to 104 °F	
Dimensions (LxWxH)	620 x 185 x 200 mm 2,44 x 0,73 x 0,79 inch	680 x 212 x 230 mm 2,68 x 0,83 x 0,91 inch
Weight	19 kg / 41,9 lbs	27 kg / 59,5 lbs

QBe market area

• Mid and wide web

• Panel and flooring

QBe MINI

The **QBe® MINI** operates industrial UV lamp with maximum power of 9 kW.



9 kW

Technical specifications

Output Characteristics

Lamp power	Up to 9 kW
Lamp voltage	Up to 1500 V
Lamp current	Max. 18 A

Input Requirements

24V Max. power consumption	25 W (+ contactor bobbin power consumption)
220V Fan power consumption	30 W
Mains voltage	360-530 V
Mains current (at 9 kW)	3 x 14 A
Mains frequency	50-60 Hz

Electrical Properties

Cos φ	> 0,99
Electrical efficiency	> 0,95
Power line loading	Symmetrically on 3 phases
Connection	L1, L2, L3, PE, N
Control range (respect of max. power)	10 % - 100 %

Physical Properties

Ambient temperature	Up to 40 °C / Up to 104 °F
Dimensions (LxWxH)	565 x 186 x 200 mm 2,22 x 0,73 x 0,79 inch
Weight	15 kg / 33 lbs

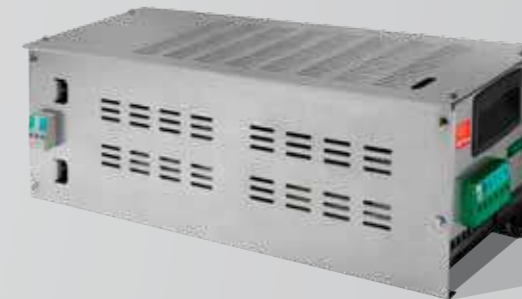
QBe **MINI** market area

- Printing industries
- Profile molding

QBe MICRO

The **QBe® MICRO** operates industrial UV lamp with maximum power of 4 kW.

4 kW



Technical specifications

Output Characteristics

Lamp power	Up to 4 kW
Lamp voltage	Up to 500 V
Lamp current	Max. 12 A

Input Requirements

220V Fan power consumption	30 W
Mains voltage	360-530 V
Mains current (at 4 kW)	3 x 6 A
Mains frequency	50-60 Hz

Electrical Properties

Cos φ	> 0,99
Electrical efficiency	> 0,95
Power line loading	Symmetrically on 3 phases
Connection	L1, L2, L3, PE, N
Control range (respect of max. power)	10 % - 100 %

Physical Properties

Ambient temperature	Up to 40 °C / Up to 104 °F
Dimensions (LxWxH)	300 x 160 x 120 mm 1,18 x 0,63 x 0,47 inch
Weight	5 kg / 11,02 lbs

QBe **MICRO** market area

- Electronic industries
- Graphic digital printing

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