

POWER SUPPLY UNITS AND TRAYS

K647.1 440V POWER SUPPLY MODULE
Part Number 421202

R800.1 440V POWER SUPPLY TRAY
Part Number 245830

XP Power / Schaefer per Thales
Specification RS809740



XP Power PSU Front View



XP Power PSU Back View

GENERAL

AC Power Input Supply

- Rated Voltage: 382V – 475V AC phase-to-phase, 47 – 63 Hz
- Rated Current: 9A per phase at 382V AC input voltage and 48V/100A output
- Power Consumption: <6.5 kVA

DC Output Supplies

- The power supply output has the characteristics listed in the Table below.

OUTPUT	MAXIMUM RIPPLE	NOMINAL VOLTAGE	MAXIMUM LOAD
1	250mVp-p†	48V ± 3%	100A
2	100mVp-p†	12V ± 0.5V	500mA

† Ripple and noise in the range 10 Hz to 20 MHz.

ENVIRONMENTAL/PHYSICAL

Temperature

- Operation: -5°C to +49°C with relative humidity up to 95% at 30°C per MIL-STD-810F

Altitude

- 6,500 ft (2000 m)

Vibration

- Per MIL-STD-167-1 (Ships) Type 1

Shock

- MIL-STD-810F

EMC

- MIL-STD-461E with Thales 189049 external filter kit

Size (H x W x D):

- Module: 5.00 x 8.0 x 24.0 in (127 x 203 x 610mm)
- Tray: 5.25 x 19.0 x 25.0 in (133 x 483 x 635mm)

Weight:

- Module: 38 lbs (17 kg)
- Tray: 22 lbs (10 kg)

OPTIONS

- Mechanical Installation Kit
- Empty Slot Blanking Plate



POWER SUPPLY UNITS AND TRAYS

GENERAL

AC Power Input Supply

- Rated Voltage: 90 - 264V, 47-63 Hz, 1-phase or 3-phase, 3/4 wire Plus Protective Earth (PE)
- Rated Current: 32A single-phase or 15A per phase, 3-phase
- Power Consumption: < 5.5 kVA

DC Output Supplies

- The power supply output has the characteristics listed in the Table below.

OUTPUT	MAXIMUM RIPPLE	NOMINAL VOLTAGE	MAXIMUM LOAD
1	250mVp-p†	48V ± 3%	100A‡
2	100mVp-p†	12V ± 0.5V	500mA

† Ripple and noise in the range 10 Hz to 20 MHz.
‡ 60A when input is below 155Vac (nom).

ENVIRONMENTAL/PHYSICAL

Temperature

- Operation: -5°C to +49°C with relative humidity up to 95% at 30°C per MIL-STD-810F

Altitude

- 6,500 ft (2000 m)

Vibration

- Per MIL-STD-167-1 (Ships) Type 1

Shock

- MIL-STD-810F

EMC

- MIL-STD-461E

Size (H x W x D):

- Module: 5.25 x 8.0 x 20.0 in (133 x 203 x 508mm)
- Tray: 5.25 x 19.0 x 23.0 in (133 x 483 x 584mm)

Weight:

- Module: 20 lbs (9 kg)
- Tray: 22 lbs (10 kg)

OPTIONS

- Mechanical Installation Kit
- Empty Slot Blanking Plate

SP2040 POWER SUPPLY MODULE
Part Number 421233

SP2050 POWER SUPPLY TRAY
Part Number 245889

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CELAB / Murata per Thales Specification
RS824126



CELAB PSU Front View



CELAB PSU Back View