

Power Management Systems



Guardian – X482-R Oasis – X1180-R Hybrid – X1180/X482

X482R-S00-0500-1-160X00-(XX)-048; X482R-S00-0500-2-80X80-(XX)-048; X482R-S00-0500-4-44X44-(XX)-048;



• Flexible design and optional jumper bars make this system off the shelf but also allows the customer to order a custom PDU to meet their requirements when needed.

- · Isolated A and B power regions for Redundancy
 - (2) PWR and (2) RTN inputs each side
 - (4) PWR and (4) RTN outputs each side
- Inputs accept common 2-hole compression lugs up to 2/0 cable.
- Output accepts standard ring tongue terminals up to 6 AWG cable

- 1RU, Standard 19" rack mount chassis width, 9.29" chassis depth
- Mounting flange options available for EIA 19", 23" and ETSI standard mounting
- E-T-A 482 series, HP Thermal CBE, UL1077 circuit breakers, utilizing plug style termination to allow serviceability and field upgrades without disturbing other power regions. (0.1A to 50A configurations avail.)
- UL, CSA, and CE certified . CB scheme for International use





X482R-S00-0500-1-160X00-(XX)-048; X482R-S00-0500-2-80X80-(XX)-048; X482R-S00-0500-4-44X44-(XX)-048;

Electrical

- Voltage: ± 72 VDC max
- Total PDU Ampacity: 640A max.
- PWR/RTN Input Terminations
 - (2) per side
 - 2-Hole Lug, 2/0 Max.
 - 240A max. per input



- PWR/RTN Output Terminations
 - (8) per side
 - Ring Terminal, 6 AWG max.
 - 40A max. per output
- GND Termination
 - Single-Hole Lug or Ring Terminal, 1/0 max.



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X1180R-S00-0500-1-240X00-(XX)-048; X1180R-S00-0500-2-120X120-(XX)-048;



Features

- Flexible design and optional jumper bars make this system off the shelf but also allows the customer to order a custom PDU to meet their requirements when needed.
- Isolated A and B power regions for Redundancy
 - (1) PWR and (1) RTN inputs each side
 - (12) PWR and (12) RTN outputs each side
- Inputs accept common 2-hole compression lugs up to 2/0 cable.

- Output accepts bare wire 20 to 12 AWG cable
- 1RU, Standard 19" rack mount chassis width, 9.14" chassis depth
- Mounting flange options available for EIA 19", 23" and ETSI standard mounting
- E-T-A 1180 series, Thermal CBE, UL1077 circuit breakers (0.1A to 10A configurations avail.)
- UL, CSA, and CE certified . CB scheme for International use



X1180R-S00-0500-1-240X00-(XX)-048; X1180R-S00-0500-2-120X120-(XX)-048;



Electrical

• Voltage: ± 72 VDC max

Total PDU Ampacity: 240A max.

- PWR/RTN Input Terminations
 - (1) per side
 - 2-Hole Lug, 2/0 Max.
 - 240A max. per input

- PWR/RTN Output Terminations
 - (12) per side
 - Bare wire, 20-12 AWG max.
 - 10A max. per output
- GND Termination
 - Single-Hole Lug or Ring Terminal, 1/0 max.



X1180R-S00-0500-1-240X00-(XX)-048; X1180R-S00-0500-2-120X120-(XX)-048;



Schematic



X482R-X1180R-S00-0501-1-200X00-(XX)-048; X482R-X1180R-S00-0501-2-80X120-(XX)-048; X482R-X1180R-S00-0501-3-44X120-(XX)-048;



Features

• Flexible design and optional jumper bars make this system off the shelf but also allows the customer to order a custom PDU to meet their requirements when needed.

- Combination of both high power and low power regions within 1 system
- Inputs accept common 2-hole compression lugs up to 2/0 cable.
- Low Power Output accepts bare wire 20 to 12 AWG cable
- High Power Output accepts standard ring tongue terminals up to 6 AWG cable
- •1RU, Standard 19" rack mount chassis width, 9.29" chassis depth

- Mounting flange options available for EIA 19", 23" and ETSI standard mounting
- Low Power: E-T-A 1180 series, Thermal CBE, UL1077 circuit breakers, utilizing plug style termination to allow serviceability and field upgrades (0.1A to 10A configurations avail.)
- High Power: E-T-A 482 series, HP Thermal CBE, UL1077 circuit breakers, utilizing plug style termination to allow serviceability and field upgrades (0.1A to 50A configurations avail.)
- UL, CSA, and CE certified . CB scheme for International use



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X482R-X1180R-S00-0501-1-200X00-(XX)-048; X482R-X1180R-S00-0501-2-80X120-(XX)-048; X482R-X1180R-S00-0501-3-44X120-(XX)-048;



Electrical

- Voltage: ± 72 VDC max
- Total PDU Ampacity:
 - 420A* max.

*Note: At 25°C ambient the max. sum of current on the X482R module (high power side) should not exceed 300A. At 55°C ambient, all current ratings should be de-rated by 20% (or breaker should be oversized by 25%)

• PWR/RTN Input Terminations

- Low Power side (1), 120A max
- High Power side (2), 240A max ea.
- 2-Hole Lug, 2/0 Max.

- PWR/RTN Output Terminations
 - Low Power side (12)
 - Bare wire, 20-12 AWG cable
 - •10A max. per output
 - •High Power side (8)
 - Ring Terminal, 6 AWG max.
 - 40A max. per output
- GND Termination
 - Single-Hole Lug or Ring Terminal, 1/0 max.



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Schematic







Power Management Design

At E-T-A, power management design begins with an understanding of your requirements. We know it is not always possible to fit an off the shelf system into your design. E-T-A's engineers will work with you, from prototype through to production, to create a system tailored specifically for your needs. E-T-A's breadth of circuit protection technologies ensures each system will be protected with the most appropriate circuit protection devices - A better power management system from the inside out.

For more information please visit our website at www.e-t-a.com.au or Call us at 02 9726 3011 Email : info@e-t-a.com.au