

Xscend Power System

The Xscend surpasses typical power system capabilities by providing a high degree of flexibility and scalability in its Rectifier, Distribution and Controller/Monitor module. Scalable, flexible system components provide numerous system configuration options:



1 - Controller/Monitor Programmable to monitor essential system functions and interface with alarms that identify problems before they become system critical. Examine data locally via LCD readout or log data and monitor/control remotely via SNMP interface module. Battery and function test algorithms simplify periodic system maintenance analysis.

2 - Rectifier Power Shelf Multiple bays accept both pluggable rectifiers and breaker distribution modules in a low profile 2 RU 19" or 23" architecture. Scale up redundant systems by using multiple rectifiers, route power to system loads with distribution modules and parallel shelves to increase output power.

Rectifier Features

- High power density in 2 RU package
- Available in 48 or 24 volt output
 - 48 volt: 1600 watts (32 amps)
 - 24 volt: 1400 watts (56 amps)
- Hot swap architecture; add or replace modules quickly while system continues operating
- Numerous front panel LED indicator/alarms plus contacts for external alarm
- Wide input operating voltage range; 185-264 VAC; Derate rectifier to 675 watts for 115 VAC operation.
- Active load sharing

Rectifier Power Shelf Features

19" shelf: Four bays

- All bays accept rectifiers, one bay alternatively accepts circuit distribution module
- Maximum power fully populated with rectifiers:
 - 48 volt: 128 amps (6400 watts)
 - 24 volt: 224 amps (5600 watts)

23" shelf: Five bays

- All bays accept rectifiers, two bays alternatively accept circuit distribution modules
- Maximum power fully populated with rectifiers:
 - 48 volt: 160 amps (8000 watts)
 - 24 volt: 280 amps (7000 watts)

Parallel up to four shelves to meet higher power requirements

Controller/Monitor Features

- Monitors all major system conditions: Rectifier voltage, current and temperature; battery voltage, capacity and temperature; circuit breaker status
- Programmable to auto-activate: temperature compensated battery charging; periodic battery load/capacity testing; low voltage disconnect; event data logging
- Over 15 different user-programmable alarm conditions and set points
- Local monitoring via front panel LCD or laptop computer via RS-232 Serial Port (software required)
- Remote monitoring via optional Ethernet interface through SNMP and/or TCP/IP

Distribution/Disconnect Features

Shelf Mount Distribution Module

- Slides into specially configured shelf bay in place of rectifier; 19" shelf accommodates one module; 23" shelf accommodates, one or two modules
- 5 load and/or battery breaker capacity per module
- Internal low voltage battery disconnect

Rack Mount Distribution Panel

- 21 load breaker and 4 battery breaker capacity
- Front-access wiring and plug-in breakers for easy system expansion
- Integral low voltage disconnect

Xscend Power Systems are distributed by NEWMAR, a value-added system reseller for Power-One
For more detailed specifications and configuration options contact Jeff Patrick or Jeff Wright at NEWMAR



Powering the Network