

Section 23

**POWER DISTRIBUTION UNITS**  
**PDU MOBILE OR STATIONARY**

Power Distribution Units are becoming an increasingly cost effective way of supplying power to complex systems. Integrating multiple power needs into a fully tested subsystem supplied by a single vendor can dramatically reduce the costs associated such requirements. Pioneer Magnetics has decades of experience in designing and manufacturing PDUs for the semiconductor, test equipment, and communications industries.

Common PDU specifications include redundant AC/DC power supplies, AC and DC distributions networks, circuit breakers, fuses, custom intelligence/processor boards, EMO circuits, specialized connectors, etc. all integrated into an enclosure that the customer installs into the final product as a fully approved/tested subsystem.

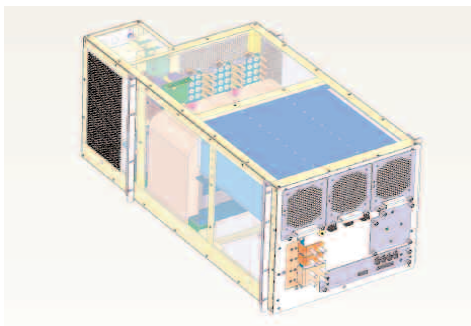
Contact Pioneer Magnetics with your PDU needs so that we can work with you in designing a flexible system that will last you throughout the life cycle of your product.



This contains four AC/DC switching power supplies, one linear power supply, and one high voltage power supply (325V). An extensive AC and DC distribution system with numerous circuit breakers, a main contactor and an EMO safety circuit.



A self contained 32KW power system with fans and heat exchangers to provide internal cooling. This 10" X 17" X 36" enclosure contains four 8.1KW AC/DC power supplies with the AC fed through the top and DC output bus bars on the front and rear. A power on button and EMO stop on the front panel for external control and an RS485 communication port for monitoring.



A 32KVA isolation transformer with taps for three different input voltages was required for this Field Replaceable Unit. The 15KW of 48V redundant power was supplied by four 5KW AC/DC power supplies.