

US Leader in DC Power Systems

Concentric is a leading provider of integrated products, engineering expertise, and service solutions for mission-critical DC power applications.

Since 2001, Mesa Technical Associates, now part of Concentric, has been a trusted leader in DC power system services, supporting utility, telecommunications, and industrial customers throughout the United States. Our nationwide team delivers the expertise, responsiveness, and reliability needed to keep critical power systems operating at peak performance.

Concentric offers a comprehensive portfolio of DC power solutions, including batteries, chargers, racks, enclosures, integrated power cabinets, and mobile battery trailers. We also provide specialized maintenance, testing, engineering, and support services for grid-scale utility energy storage systems, helping customers optimize performance, reliability, and asset longevity.

DC Power Back Systems for Mission Critical Applications



UTILITY

- Substation
- Power generation
- Transmission



TELECOM

- Cell site
- Regeneration
- CO, MTSO, NOC



INDUSTRIAL

- Switchgear
- Oil & gas
- Control house

Contact Concentric today to get information on how our premier product and system solutions can provide the reliable and cost effective solutions you need for your mission critical applications.

LSe LEAD SELENIUM FLAT PLATE BATTERY

- Lead selenium thick flat plate design (.25")
- True 20 year design life
- High corrosion resistance that reduces plate growth
- Flame Retardant lid, clear SAN jar (Flame retardant jars available)
- US style post & two-hole connector design
- Deep discharge capability (>1,000 cycles)
- Excellent high rate performance



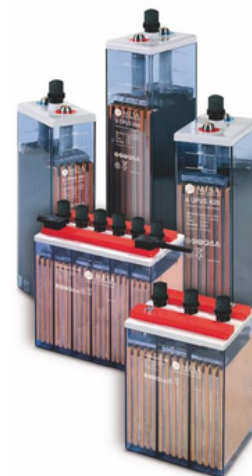
Mesa One INDUSTRIAL BATTERY CHARGERS

- Modular switch mode rectifier system - 24VDC, 48VDC & 125VDC
- 1 Ø up to 300 A; 3 Ø up to 800 A
- N+1 Redundancy
- Hot swappable components & rectifiers
- Programmable functions to support NERC PRC-005-6 Compliance
- Compact, lightweight design - wall and rackmount
- Extremely high efficiency overall load conditions



OPzS LEAD SELENIUM TUBULAR PLATE BATTERY

- Lead Selenium, robust tubular plate design (.36" thick)
- Long life, true 20 year design for maximum reliability
- Deep discharge capability (>1,500 cycles)
- Flame retardant lid, clear SAN jar
- High corrosion resistance for low plate growth
- Robust post design with lead coated copper Bar & connectors
- Ideal for substation, power generation, and switchgear applications



MSR CHARGER/RECTIFIER FOR STATIONARY BATTERIES

- Microprocessor controlled SCR rectifier – UL & CSA
- Rugged industrial design & capabilities
- Input voltages from 110VAC thru 600 VAC
- Output 12VDC through 600VDC; 1A – 1600A available
- NEMA P-5 compliant; UL/ANSI & CSA 22.2.107.1 Certified
- Controller supports all communications protocols



Fahrenheit VALVE REGULATED LEAD ACID BATTERY

- Breakthrough Advanced AGM Design for High Temperature Environments
- 3.5 times longer life in high temperature conditions up to 60°C; 6 Year full warranty at 95°F ambient
- Unique plate chemistry & design lowers float current, mitigates thermal buildup & cell dryout
- Alloy design minimizes corrosion under the highest temperature extremes
- Reinforced case resists bulging and meets UL 94 V-0 safety requirements
- Internal Flame arresting, low pressure, self sealing valves for maximum life
- Ultimate VRLA reliability & life under the most extreme conditions



MBT MOBILE BATTERY TRAILER

Concentric is an integrator of mobile battery trailers for the utility and industrial sectors. Our battery trailers are designed and engineered for every specific sub-station, power generation, and industrial application involving temporary DC power back-up for maintenance and replacement of battery systems. Concentric can customize a trailer per specific customer requirements, and can provide, batteries, chargers, AC panels & distribution, lighting, HVAC/heaters, eye wash stations, work stations, etc. The Concentric line of battery trailers offers customers tailored solutions for DC power backup requirements.



Turn-key Engineering and Installation Services

Concentric's EF&I Business Unit (Engineer, Furnish, & Install) is one of the leading turn-key project providers in the US, focused on mission-critical DC power backup systems. Concentric can provide the full range of engineering services, including system design and specification, and typically develops the project Scope Of Work, installation Method Of Procedure, Bill of Materials, and As Built Drawings. Concentric furnishes the complete system hardware and minor materials, and has excellent relationships with all the major DC power system OEM's for excellent pricing and delivery. Our installation teams are led by experienced Level 4 DC power specialists, and our business model allows Concentric to scale rapidly for any large project.



In the telecommunications sector, in the past decade Concentric, has performed installation and engineering services at over 60,000 cell sites across the US, as well as over, 200 large projects at cellular MTSO and Regen facilities. In the utility sector, Concentric has performed hundreds of large scale turn-key projects at sub-station, power generation, and communications facilities. Concentric operates in most Tier-1 and Tier-2 markets across the US. Standard Features.

Energy Storage

Concentric provides comprehensive service and support for grid-scale utility energy storage systems. Our experienced team helps customers maximize system performance, reliability, and longevity through expert maintenance, diagnostics, troubleshooting, and operational support for assets throughout their lifecycle.



Providing power solutions for over 25 years