



Critical Power Group Line Card



Static UPS

- Single and Three Phase UPS
- 10-80 kVA Scalable and Redundant
- 80-225 kVA Single and Multimodule
- 300-1,000 kW Single and Multimodule and Megapod
- IGBT Rectifier and Inverter
- Most Efficient On-line UPS Available



PDU, RPP

- PDM (50-750kVA), RRP (100-400Amp)
- Branch Circuit Monitoring
- Custom configurations & Rack Style PDU's
- 480 & 415 Volt Applications
- UL 891 Switchgear with built in Arc flash containment



Switchboards and Switchgear

- Highly engineered, Low (UL 891 or 1558) and Medium Voltage Paralleling Switchgear and Engine Generator Controls
- Transfer Switches (Manual and Automatic), Low Voltage = 100 to 4000 amps, Medium Voltage = 600 to 2500 amps
- Custom Capabilities (Line up and match)



Overhead Flexible Power

- Reduced Facility Construction Costs, Faster Installation, and Environmentally Friendly
- Critical Power Monitor (CPM) which allows more monitoring, integrating, metering loads and displaying data center power information
- Applications: Datacenters to Labs
- On the fly & Hot swappable



Flywheel Energy Storage

- Clean Source 300-1200 kVA
- Battery Free Hybrid UPS
- Efficient, Modular & Scalable Power
- Spatially Small & Lower TCO
- Power House Container
- Capex Savings



SPD/TVSS

- Selenium Enhanced TVSS/Filter
- Service Entrance, Distribution Panels and Sub-Panel Protection (Category A, B and C)
- Systems Available Up to 300 kA
- UL1449 4th Edition Compliant Meeting 9/29/09 Directives
- 20 Year Unconditional Warranty



Transformer Capabilities

- Power Dry Tape Transformers, Up to 5 MVA and 34.5 KV Voltages
- Substation Transformers, Fluid-Filled, 2.5 to 25 MVA, Voltages up to 69 KV
- Padmount Transformers, Fluid-Filled, 3 to 10 MVA, Voltages up to 69 KV
- Network Transformers, Fluid-Filled, Up to 5 MVA and 34.5 KV Voltages

CPG Power Quality Products & Services

- Intelligent PDU strips & DCIM
- Power Quality Meters
- Modular and Scalable Data Center
- 1 & 3Ø UL924 Lighting Inverter
- 1 & 3Ø Voltage Regulators
- Power Factor Correction Solutions
- EMI/RFI Filters
- EFI Battery Solutions, CVS Retrofit
- Batteries - wet or VRLA & Recycling
- Battery Monitoring & Extended Warranty
- UL Listed PDU cables



Rotary CPS

- No Break Ride Through Systems
- 1500-3600 kVA CPS Systems
- Diesel Driven Batteryless UPS
- Low and Medium Voltage Applications
- Single/Dual Output for Critical Loads



"Green" & HMT Transformers

- Energy Efficient/Harmonic Cancellation (2016 Compliant transformers)
- Efficient, Mitigation Transformers and PDU's for Construction and Retro-fit Applications
- PDU's (50-1000 kVA, 480 In, 415/230 Out)
- LEED Sustainable Solutions
- Metering/ Monitoring Platform and Validation



Battery and Remote Monitoring

- Cellwatch: Modular, Scalable
- Monitors Ohmic Value of All Jars Daily
- Daily for Proactive Monitoring
- Suitable for Different Jar Voltages on the Same System (UPS, DC, Plant)
- For VRLA and Wet Cell Monitoring
- Detects Thermal Runaway



Scalable, Modular Mission Critical Facilities

- Leasable, Data Centers, Disaster Response Recovery, NOCS, NODES, SCIFs, Conex
- Modular, Recyclable and Green
- Rapid Deployment, Secure Assembly
- Protection from natural and manmade disasters
- SCIF & Tempest Solutions

Substation Transformers (Fluid-Filled)	2.5 to 25 MVA, Voltages up to 69 KV: Many Options Available
Modular Datacenter or SCIF* (Leasable)	200 – 10,000 sq ft, 8 – 10 weeks Engineered & Installed
EMI/ RFI/ HEMP Filters	10 -2500 Amps (All Voltages and Frequencies)**
Paralleling Switchgear (single or multiple generators)	Low Voltage: 800 to 6000 A Power Breakers; Up to 200 KAIC; UL 1558 or 891; PLC Controls Medium Voltage: 1200 to 4000 A Vacuum Breakers; Up to 35 KV; ANSI/UL; PLC Controls
Automatic Transfer Switches (Breaker Pairs)	Low Voltage: 100 to 4000 A; 3 or 4 Pole; UL 1008; Microprocessor Controls Medium Voltage: 600 to 2500 A; Microprocessor Controls
CPS and QPS “No Break Rotary Power”*	500 – 3600 kVA @ 480 – 4160, 13,800 VAC (50 or 60 Hz)
AC Flywheel; Ride – Thru Products *	150 – 9000 kVA @ 480 volt (50 or 60 Hz)
Surge Protective Device (SPD/TVSS)	40 – 300 kA (All modes, voltage and categories; A, B, and C) Single and Three Phase Surge Suppression
Power factor Products (Active & Passive)	50 – 400 Amps (AC & DC), All Voltages
Static UPS*	200 VA – 20 kVA Single Phase 10 – 80 kVA Scalable and Redundant Three Phase 80 kVA – 1000 kW @ 480 and 400 VAC (50 or 60 Hz)
Battery Monitoring	VRLA and Wet Cells (Hardwired and Wireless) for UPS, DC Power and Generator applications
DC Flywheel / Energy Storage	150 – 1200 kVA @ 480 volt (50 or 60 Hz)
Power Distribution Units (PDU/PDM)*	30 – 1000 kVA @ 480 VAC input 120 – 208, 415/230 VAC Output (50 – 60 Hz)
Remote Power Panel (RPP)	100 – 400 Amps @ 208/120 or 415-230 VAC with multiple inputs
Flexible busway for AC or DC Distribution	40 – 800 AMP, PQ Meters, flexible plug & play distribution
Power Dry Type Transformers 2016, Energy Efficient Transformers & Harmonic Mitigation	10 – 2000 kVA; UP to 5 MVA and 34.5 KV Voltages; VPI type; Many Options Available (Aluminum, Copper, K rated, Energy Efficient per 2016)
Power Conditioner & Voltage Regulator*	10 – 2000 kVA, 50/60 Hz “upgradable”
Frequency Converter	10 – 500 kVA (Static ad Rotary, 50, 60. Or 400 Hz)
Additional Products & Service Offerings	<ul style="list-style-type: none"> -Military Grade & Ruggedized Equipment -Monitoring & Remote Notification -Rental Portable Spot Coolers -PM & Emergency Service (7x24x365) -Load Bank & UPS Rental Equipment -Smart PDU Strips & IT Cabinets -In Row and IT Cabinet Cooling – High Densities -I/R Scanning & Staffing Facility -Power Quality Meters & Consumption

*Available as an efficient “Green” solution, Indoor or Outdoor **Any Voltage and any frequency