

4 Decades Manufacturing the Industry's Highest Quality Electrical Power Solutions

Medical-Grade Power Conditioners, Voltage Regulators, & UPS

Single Phase: 700 VA – 2.1 kVA
Three Phase: 60 K(i) – 260 K(i)

Power Purification Systems

Single Phase: 500 VA – 25 kVA

High Efficiency K-Rated Power Conditioning Transformers

Single Phase: 5 kVA – 25 kVA
Three Phase: 15 kVA – 500 kVA

Centralized Emergency Lighting Inverters

Single Phase: 550 W – 18 kW
Three Phase: 10 kW – 55 kW

UPS Systems

Single Phase: 700 VA – 25 kVA

Power Conditioning Voltage Regulators

Single Phase: 5 kVA – 150 kVA
Three Phase: 10 kVA – 1 MVA

SOLUTIONS TO ELECTRICAL POWER DISTURBANCE PROBLEMS

Common Electrical Power Problems	Probable Effect Without Protection	Commercial, Industrial, and Medical-Grade Product Models				Average Rate of Occurrence / Month	Percentage of Total Disturbances
		K-Rated Power Conditioning Transformers	Power Conditioning Voltage Regulators	Power Purification Systems	UPS Systems		
Spikes, transients from utility network switching.	Malfunction / Damage	✓	✓	✓	✓	50.7	39.5 %
Transients from tools, elevators, A/C, lighting systems, etc.	Possible Malfunction	✓	✓	✓	✓		
Lightning strikes.	Possible Malfunction	✓	✓	✓	✓		
Ringing disturbances from switching by utility.	Possible Malfunction	✓	✓	✓	✓	62.6	49 %
Blackouts (< 8 msec.)	Out Of Operation			✓	✓	14.4	11 %
Brownouts (undervoltage)	Malfunction / Damage		✓	✓	✓		
Slow steady state voltage variations from nominal.	Possible Shutdown Or Malfunction		✓	✓	✓		
Voltage sags or surges from generators.	Possible Malfunction		✓	✓	✓		
Blackouts (> 8 msec)	Out Of Operation				✓	0.6	0.5 %
% Problems alleviated.		80%	99%	99.5%	100%		



CONTROLLED POWER COMPANY

"World's recognized authority in power treatment"

1955 Stephenson Hwy. Troy MI 48063

www.controlledpwr.com

email: info@controlledpwr.com

Phone: (248) 528-3700. Fax: (248) 528-0411

Call Toll Free: (800) 521-4792