

StableStar Power Regulator

10kVA to 300 kVA – THREE PHASE

Features

- Patented Regulator Design
- Pure Sinewave Output
- Seamless Bypass Path
- Tight Voltage Regulation
- Surge Suppression
- Small Size
- Full Isolation Transformer
- Front Access Only Required
- High Efficiency
- High Reliability

The Critical Power Three Phase Power Regulator utilizes a patented design to ensure the maximum possible power protection. The CPE regulator is very cost effective, reliable and small size providing a clean stable sine wave to the critical load. The StableStar output power is closely regulated to compensate for any utility voltage anomalies. In addition, the regulator voltage is held constant during all load variations.

The Regulator system includes a seamless parallel redundant circuit to maximize reliability and system "uptime".



FULL POWER PROTECTION

Protect your Equipment with a Power Regulator

- * ***Increase the Reliability*** – Reduce Service Costs
- * ***Increase the Lifespan***- Maximize Your Investment
- * ***Be Alerted to Power Problems*** – Knowledge is Power
- * ***Save Data Files***- Don't corrupt your work
- * ***Reduce Power Related Service Costs***

REGULATOR SPECIFICATIONS

10 kVA – 300 kVA

INPUT

Voltage	208 or 480 VAC
Voltage Range	±18%
Configuration	3 Phase, 3 Hots + Ground
Frequency	60 Hz
Input Power Factor	> 0.95
Protection	Circuit Breaker + Bypass

OUTPUT

Power Range	10 kva to 300 kva
Power Factor	± 0.7 lead or lag
Voltage	208 or 480 VAC
Voltage Regulation	± 2% with 100% Imbalance
Configuration	3 Phase, 3 Hots, Neutral + Ground
Cress Factor	3:1
Harmonics	≤ 1% Added
Phase Imbalance	120° ± 0.5°
Overload Rating	150% for 15 Seconds 130% for 30 Seconds 110% for 5 Minutes

SYSTEM

Configuration	Three Phase
Topology	Delta to Wye
Technology	Series Controlled
Efficiency	98% Full Load
Bypass	Automatic Seamless Bypass
Control Elements	Microprocessor
Audible Noise	<55 dBA @ 1 Meter
Cooling	Controlled Forced Air

PROTECTION

Over Voltage	Auto Shut Down & LED Alert
Over Load	Shut Down if Above Rating
Auto Bypass	LED Indicator & Alarm
Surge Suppression	MOV, LC Filter, EMI (optional)
Phase Failure	LED, Alarm, Shut Down
Protection	Input Circuit Breaker
Under Voltage	Alarm & Auto Shut Down

INDICATORS

Voltmeter	0-300 VAC per Phase
Ammeter	Load Current Displayed
LED	Power Abnormal Output Over Voltage Bypass Condition

PHYSICAL

10 – 30 kVA	54”H x 14”W x 26”D
45 - 75 kVA	59”H x 18”W x 31”D
100 – 150 kVA	59”H x 24”W x 47”D
180 – 300 kVA	67”H x 31”W x 47”D
Weight	300-1600 lbs - Call CPE
Power Connections	Terminal Blocks
Service Access	Front
Operating Temp	0° C - 40° C (control cab)
Humidity	0 – 90% Con-Condensing

COMPLIANCE TESTED

Surge	IEEE 62.45, ANSI C62.14
ESD	IEC 801.2
RF Interface	FCC Article 15
Voltage Let Thru	UL1449
Power	UL 1012
NEC	Article 250d
Energy Star	Transformer

AGENCIES

UL	1012
CE	Consultants Europe
CUL	Canadian UL
ANSI	American National Std
FCC	Federal Communication
NFPA 70	National Fire Protection
IEEE	Inst. Electrical Engineers