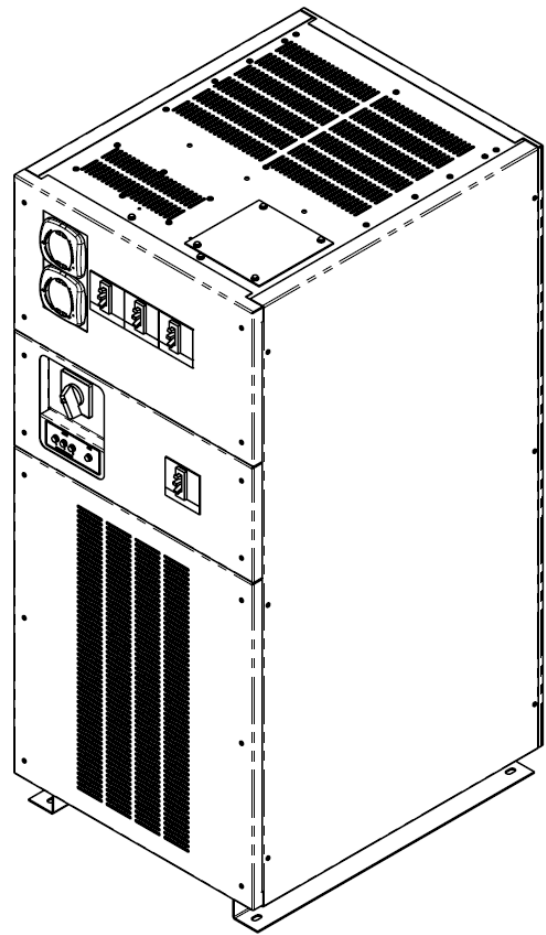


37.5KVA, 60HZ
Single-Phase Automatic Voltage Regulator
480V Input
120/240V Output



INTRODUCTION

The Series 700F Power Processor is a solid-state, automatic voltage regulator and power conditioner designed to protect sensitive equipment from voltage fluctuations, spikes, and electrical noise. It ensures consistent output voltage and improves system reliability in commercial and industrial environments.

Key Features

- Front-access design (no side/rear clearance required)
- Microprocessor-controlled 7-tap voltage regulation
- Tight output voltage regulation ($\pm 3\%$ within one cycle)
- Triple-shielded isolation transformer for noise suppression
- Internal manual bypass option maintains system continuity
- High surge capability without automatic bypassing
- Low output impedance reduces voltage distortion
- High efficiency design reduces operating costs
- Operating Modes:
Normal - regulated, conditioned power output
Bypass - maintains power flow without regulation

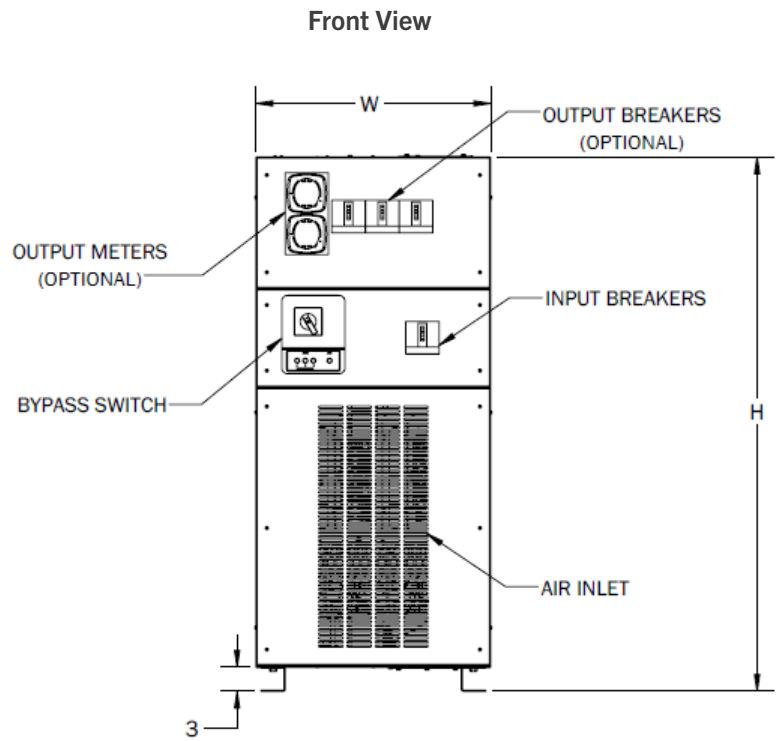
SPECIFICATIONS

Power	
Input	480V (37.5 kVA)
Operating Range	+10% / -20% from nominal
Power Factor	>0.99 (resistive load)
Output	120V/240V
Regulation	$\pm 3\%$ typical
Response Time	<1/2 cycle
Load Regulation	2.5% typical (no-load to full-load)
Correction Time	1 cycle
Overload Capability	200% for 10 seconds
	1000% for 1 cycle
Efficiency	96–97% typical (model and load dependent)
Frequency	60 Hz $\pm 3\%$ Hz
Noise Attenuation	Common Mode: 146 dB
	Transverse Mode: 40 dB/decade attenuation
Transient Protection	Meets ANSI C62.41 Category B-3
Cooling	Forced air (bottom intake, top exhaust)

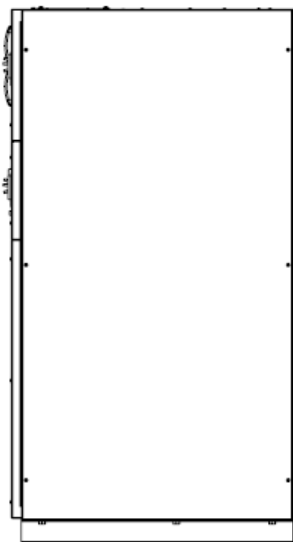
DIMENSIONAL DRAWINGS

(in Inches)

	Height	Width	Depth
Small Frame (10kVa-30kVa)	59	29	24
Medium Frame (30kVA-75kVA)	66	29	35
Large Frame (75kVA-150kVA)	76	35	35



Side View



Top View

