

Energy and Financial Consulting LLC

EFC-2500 WAVEFORM CORRECTOR: MEDIUM PROTECTION



THE EFC-2500:

ABSORBS, DISSIPATES, & REMOVES
with increased capacity

- Transient voltage surges and spikes
- Frequency noise between 3kHz-1MHz
- Ring waves

DOES NOT SHUNT ENERGY TO GROUND

The facility ground is not relied on for performance or survivability.

EFC-2500 GENERAL

OPERATING FREQUENCY

45 - 65 Hz

FREQUENCY ATTENUATION

-20 dB/decade roll-off starting at 2.5 kHz

MAX SURGE CURRENT

80 kA per mode

MCOV

20% above rated voltage

SAFETY APPROVALS

ELT Listed to UL 1449 3rd Edition

CSA Standards Class 9091 01 & 9091 81; CSA std. c22.2 No. 8-M1986

SAFETY RATINGS

Fire Rating 94V-0

OPERATING ENVIRONMENT

Approximately -25° C to 65° C

RESPONSE TIME

Primary Response Time: Instantaneous

Key Event Time: Approx. 1 Nanosecond

COMPLIANCE

NEMA LS-1, NEC Surge Suppression Standards, Electrical Notice 516

CONNECTION

Wire leads. Size: 10 AWG Length: 3'

MATERIALS

Aluminum Housing, LED Indicator Lamps, 10 AWG 600 V rated Wire.

Circuit encapsulated in epoxy to retain integrity of circuitry in failure mode.

ACCESSORIES

Amber LED indicates active phase

DIMENSIONS & WEIGHT

Diameter: 6.375" Depth: 3.85" Weight: 6 lbs.

Compact for easy installation.

EFC-2500 PRODUCT ORDERING GUIDELINES

MODEL NUMBER

EFC

2

5

0

0

3Y208

Series

Voltage Configuration
ID#

VOLTAGE CONFIGURATIONS

SYSTEM VOLTAGE	PROTECT MODE	VPR	SYSTEM	VOLTAGE ID#
Single Phase 120/240	L-N L-L	700 1000	3 Wire + G	1S240
Single Leg 120V	L-N	700	2 Wire + G	1L120
Single Leg 240V	L-N	1000	2 Wire + G	1L240
3 Phase 120/208	L-N L-L	700 1000	4 Wire + G	3Y208
3 Phase 277/480	L-N L-L	1200 1800	4 Wire + G	3Y480
3 Phase 480V	L-L	1800	3 Wire + G	3D480