

EP-2800CA SERIES WAVEFORM CORRECTOR



THE EP-2800CA FEATURES AND BENEFITS:

- Provides 80kA to 640kA per mode single-pulse surge current
- Integrated Dissipation Technology. Energy is absorbed and dissipated within the unit, not shunted to the ground.
- Active Sine Wave tracking filter
- No additive harmonic distortion
- Patented technology of the 2800B module provides industry superior filter performance
- Reacts to transient in nanoseconds
- Status LED Indicators
- Top and Bottom feed
- 10 -Year Warranty
- Key Response Time: Approximately 1 ns

EP-2800CA GENERAL SPECIFICATIONS

MAX SURGE CURRENT RATING: 640kA per mode
REPETITIVE SURGE CURRENT RATING: 5000 impulses using IEEE C62.41
PRODUCT DESIGN: Patented waveform correction technology and fused MOV in a convenient parallel design
OPERATING FREQUENCY: 45 - 65 Hz
WARRANTY: 10 Years
LISTING: ELT Listed to UL 1449 3rd Edition; Type 1 SPD
CSA Standards Class 9091 01 & 9091 81; CSA std. c22.2 No. 8-M1986
SAFETY: Fire Rating 94V-0
COMPLIANCE: NEMA LS-1, UL 96A
SHORT CIRCUIT CURRENT RATING: 200kA
NOMINAL DISCHARGE CURRENT RATING (IN): 20kA
STANDARD VOLTAGE RATING PLUS/MINUS: 10 % for Operation

EP-2800CA ELECTRICAL SPECIFICATIONS

CONNECTION METHOD: Parallel
PROTECTION MODES: L-N, L-L
CONTRACTOR SUPPLIED WIRE: 00 AWG Wire
INTEGRATED FUSEABLE DISCONNECT: 600VAC, 200kA I.R.
STATUS INDICATORS: Local and Remote LED
EMI/RFI FILTER ATTENUATION: MIL Standard 220B

The **EP-2820CA** can hold up to two modules.
Two base modules provide 160kA protection.

The **EP-2840CA** can hold up to four modules.
Four base modules provide 320kA protection.

The **EP-2880CA** can hold up to eight modules.
Eight base modules provide 640kA protection.

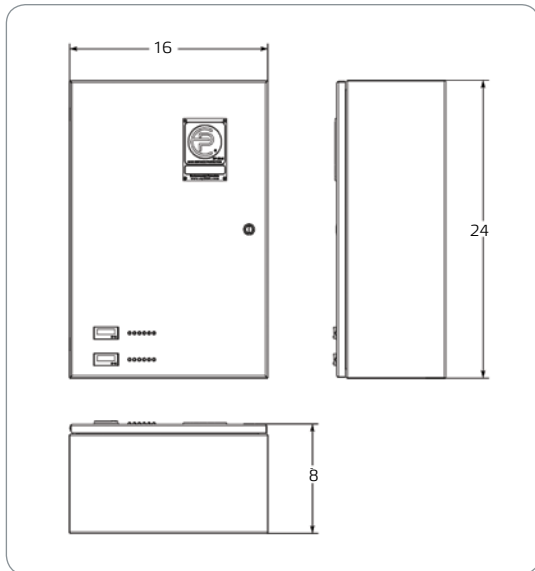
EP-2800CA B MODULE

- 80kA single impulse surge current
- Integrated filter with sine wave tracking
- Integrated dissipation technology

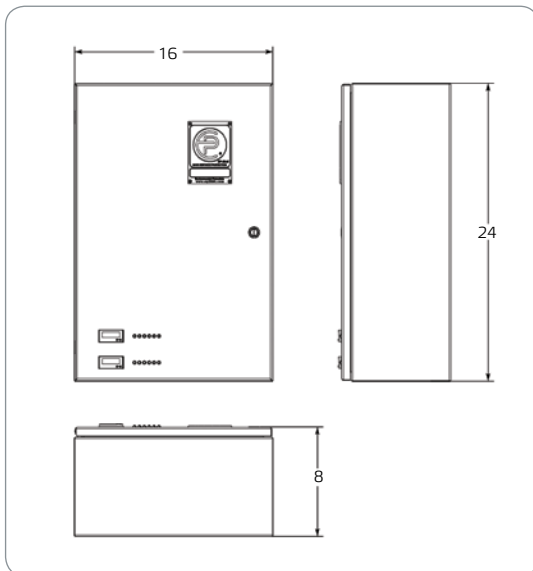
EP-2800CA F MODULE

- Patented technology provides industry-superior filter performance
- Protected by mandatory base module for consistent filtering
- Integrated dissipation technology

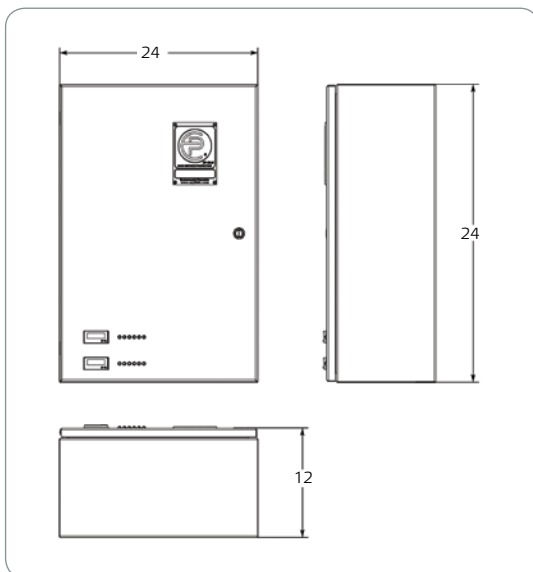
2820CA



2840CA



2880CA

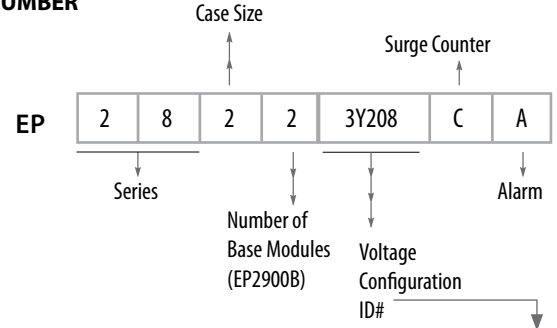


EP-2800CA SERIES PRODUCT ORDERING GUIDELINES

CASE SIZE REFERENCE

EP-2820: 24x16x8
 EP-2840: 24x16x8
 EP-2880: 24x24x12

MODEL NUMBER



VOLTAGE CONFIGURATIONS

| SYSTEM VOLTAGE | PROTECT MODE | VPR | SYSTEM CONFIGURATION | VOLTAGE ID# |
|-------------------------|--------------|------|----------------------|-------------|
| Single Phase 120/240 | L-N | 700 | 3 Wire + G | 1S240 |
| | L-L | 1000 | | |
| 3 Phase 120/208 | L-N | 700 | 4 Wire + G | 3Y208 |
| | L-L | 1000 | | |
| 3 Phase 220/380 | L-N | 1200 | 4 Wire + G | 3Y380 |
| | L-L | 1800 | | |
| 3 Phase 277/480 | L-N | 1200 | 4 Wire + G | 3Y480 |
| | L-L | 1800 | | |
| 3 Phase 347/600 | L-N | 1200 | 4 Wire + G | 3Y600 |
| | L-L | 2500 | | |
| 3 Phase 480V | L-L | 1800 | 3 Wire + G | 3D480 |
| | L-L | 2500 | | |
| 3 Phase 600V | L-L | 2500 | 3 Wire + G | 3D600 |

MECHANICAL SPECIFICATIONS

| | |
|--------------------------------|---|
| DIMENSIONS | 24 x 16 x 8 inch 61 x 40.6 x 20.3 cm |
| WEIGHT | 60 lbs. / 27.27 Kg |
| ENCLOSURE | NEMA 4, 12, 13 |
| OPERATING TEMPERATURE | -40F to 140F -40C to +60C |
| NON-CONDENSING HUMIDITY | 5% to 95% |

*Other voltages and configurations available upon request