

Cross References to Rockwell Part # PP7223

Visor Series Ordering Guidelines

Table 36.1-4. Retrofit

~~CPS 100 480Y S K~~

Surge Ratings	Diagnostics Packages	Enclosure Cross-Reference																														
100 = 100 kA/phase 120 = 120 kA/phase 160 = 160 kA/phase 200 = 200 kA/phase 250 = 250 kA/phase 300 = 300 kA/phase 400 = 400 kA/phase 500 = 500 kA/phase	A = AdVisor c/w — Status indicator lights on each phase, Form C, Audible Alarm — Enable/Disable S = SuperVisor c/w — Status indicator lights on each phase, Form C, Audible Alarm — Enable/Disable, Transient Counter, Push-to-Test, PQ Meter (no date stamp) N = NetVisor c/w — Status indicator lights on each phase, Form C, Audible Alarm — Enable/Disable, Transient Counter, Push-to-Test, PQ Meter (date stamp), Modbus and Ethernet Communication Port, % Life Remaining, % Voltage THD	K = Standard (NEMA 1, 3R) L = Flushmount (NEMA 1) M = Standard (NEMA 1, 3R) c/w Disconnect Switch ⊕ N = NEMA 4X O = NEMA 4X c/w Disconnect Switch ⊕ P = NEMA 12 Q = NEMA 12 c/w Disconnect Switch ⊕																														
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	<table border="1"> <thead> <tr> <th></th> <th>120/208 127/220 240 V</th> <th>230/400 400 V</th> <th>277/480 480 V</th> <th>347/600 600 V</th> </tr> </thead> <tbody> <tr> <td>220/127 Three-Phase Wye (4W+G) (Mexico)</td> <td>220Y</td> <td>+</td> <td>+</td> <td>+</td> </tr> <tr> <td>120/240 Single Split-Phase (3W+G)</td> <td>240S</td> <td>+</td> <td>+</td> <td>+</td> </tr> <tr> <td>Three-Phase Delta High Leg (4W+G)</td> <td>240H</td> <td>+</td> <td>+</td> <td>+</td> </tr> <tr> <td>Three-Phase Wye (4W+G)</td> <td>208Y</td> <td>400Y</td> <td>480Y</td> <td>600Y</td> </tr> <tr> <td>Three-Phase Delta (3W+G)</td> <td>240D</td> <td>—</td> <td>480D</td> <td>600D</td> </tr> </tbody> </table>		120/208 127/220 240 V	230/400 400 V	277/480 480 V	347/600 600 V	220/127 Three-Phase Wye (4W+G) (Mexico)	220Y	+	+	+	120/240 Single Split-Phase (3W+G)	240S	+	+	+	Three-Phase Delta High Leg (4W+G)	240H	+	+	+	Three-Phase Wye (4W+G)	208Y	400Y	480Y	600Y	Three-Phase Delta (3W+G)	240D	—	480D	600D	
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⊕ Disconnect switch — 3-pole 30-ampere Type FDC breaker.

Table 36.1-5. Integrated

PP7223 CPS 300 480Y S C

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100 = 100 kA/phase 120 = 120 kA/phase 160 = 160 kA/phase 200 = 200 kA/phase 250 = 250 kA/phase 300 = 300 kA/phase 400 = 400 kA/phase 500 = 500 kA/phase	A = AdVisor c/w — Status indicator lights on each phase, Form C, Audible Alarm — Enable/Disable S = SuperVisor c/w — Status indicator lights on each phase, Form C, Audible Alarm — Enable/Disable, Transient Counter, Push-to-Test, PQ Meter (no date stamp) N = NetVisor c/w — Status indicator lights on each phase, Form C, Audible Alarm — Enable/Disable, Transient Counter, Push-to-Test, PQ Meter (date stamp), Modbus and Ethernet Communication Port, % Life Remaining, % Voltage THD	A = Panelboards (PRL1A, 2A, 3A, 4) B = Remote Monitor Display (PRL4, Switchgear, Busway) C = MCC Version D - J = Warranty Versions, Consult Factory Y = OEM Mounting Plate Version (Fixed Display) Z = OEM Mounting Plate Version (c/w Remote Display Panel Option)																														
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② Valid for 220/415 and 240/415 per IEC standards.

Technical Data

Table 36.1-6. Eaton's Cutler-Hammer Clipper Power System Visor Series Specifications

Guide for applying the appropriate surge suppressor based upon life expectancy and performance.

CPS Models	CPS100	CPS120 ^①	CPS160	CPS200 ^②	CPS250 ^①	CPS300 ^②	CPS400 ^②	CPS500 ^②
Surge Current Per Phase	100 kA	120 kA	160 kA	200 kA	250 kA	300 kA	400 kA	500 kA
Surge Current Mode								
L-N (Line-to-Neutral)	50 kA	60 kA	80 kA	100 kA	125 kA	150 kA	200 kA	250 kA
L-G (Line-to-Ground)	50 kA	60 kA	80 kA	100 kA	125 kA	150 kA	200 kA	250 kA
N-G (Neutral-to-Ground)	50 kA	60 kA	80 kA	100 kA	125 kA	150 kA	200 kA	250 kA
L-L (Line-to-Line, Delta, and Ungrounded Applications Only)	50 kA	60 kA	80 kA	100 kA	125 kA	150 kA	200 kA	250 kA
Single Pulse Surge Current Test Based on IEEE C62.41 8 x 20 microsecond waveform	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Modes of Protection	All	All	All	All	All	All	All	All
3-Phase Wye System	7	7	7	7	7	7	7	7
3-Phase Delta System	6	6	6	6	6	6	6	6
Filter Attenuation (Based on MIL-STD-220A) at 100 kHz	50 dB	50 dB	50 dB	50 dB	50 dB	50 dB	50 dB	50 dB
Surge Withstand Capabilities ANSI/IEEE C3 Wave (10 kA)	8,000	9,000	10,000	11,000	12,000	13,000	14,000	15,000
Thermo-Dynamic Fusing System								
Overcurrent Protection (Thermal Fuse Spring)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
200 kAIC	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Individual Fused MOVs	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Monitoring Display Options								
SuperVisor (Standard)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
AdVisor	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
NetVisor	Optional	Optional	Optional	Optional	Optional	Optional	Optional	Optional
Direct Bus Bar Connection	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Warranty — Clipper Power System Visor Series	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years	10 Years

① CPS250 recommend for service entrance. CPS120 recommended for branch locations using IEEE recommended cascade approach.

② Optional sizes to meet competitive specifications. All CPS have been independently tested to verify all suppressor components can survive published surge current ratings. Test documents are available upon request.