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# NMMS.E131457 **Power Conversion Equipment**

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Page Bottom

# **Power Conversion Equipment**

See General Information for Power Conversion Equipment

YASKAWA AMERICA, INC. 2121 Norman Dr S Waukegan, IL 60085 USA



## Investigated to ANSI/UL 508C

Listed accessories for use in listed Yaskawa power conversion equipment, option card - field installable Model(s) 46S03587-0021, 46503587-0121, 73600-C026X, AI-14B, AI-14B2, AI-14U, AI-A3, AI-V3J, AO-08, AO-12, AO-12B2, AO-A3, CANIVF, CM-071, CM-A2/P, CM-B2/P, CP-916B, CP-916G, DI-08, DI-16, DI-16H2, DI-A3, DO-02C, DO-08, DO-A3, ETC61811X\*, ETC61812X, ETC61813X, ETC61814X, ETC61815X, ETC61841X, ETC61886X, ETC74012X, ETC74013X, ETC74014X, ETC74030X, ETC74031X, ETC74034X, ETC74035X, ETC74038X, ETC74048X, ETC74059X, ETC74060X, ETC74067X\*, ETC74260X, ETC74261X, ETC74262X, ETC74263X, ETC74264X, ETC74265X, ETC74266X, ETC74061X, ETC74060X, ETC74061X, ETC74260X, ETC74260X, ETC74260X, ETC74260X, ETC74264X, ETC74265X, ETC74265X, ETC74266X, ETC74060X, ETC74061X, ETC74261X, ETC74265X, ETC74266X, ETC74265X, ETC74264X, ETC74265X, ETC7 ETC75001X, ETC75002X, ETC75011X, ETC75012X, ETC75014X, PG-A2, PG-B1, PG-B2, PG-B3, PG-D2, PG-E3, PG-F3, PG-H2, PG-O2, PG-E3, PG-F3, PG-P2, PG-R2, PG-RT3, PG-V2, PG-W2, PG-X2, PG-X3, PO-36F, SI-232/J, SI-232/JC, SI-485/J, SI-B, SI-C, SI-C3/V, SI-EL3, SI-EL3/V, SI-ES3, SI-ES3/V, SI-ET3, SI-ET3/V, SI-F, SI-G, SI-K2/P, SI-L2, SI-M2, SI-M3/V, SI-N, SI-N3/V, SI-P, SI-P3, SI-P3/V, SI-R, SI-S, SI-S3, SI-S3/V, SI-T, SI-T3/V, SI-U, SP-A2, UTC000031, UTC000038, UTC000040, UTC000041 (SI-E), UTC000043, UTC000049, UTC000050, UTC000065, UTC000065, UTC000066, UTC000067, UTC000068, UTC000100, UTC000110, UTC000120, UTC00018X (CM012), UTC000190, UTC00022X, UTC00024X (PG-MM3/V), UTC00028X (SI-EN3, SI-EN3/V), UTC00031X (SI-EM3, SI-EM3/V), UTC00033X\*, UTC00034X, UTC00035X, UTC00037X (SI-EP3, SI-EP3/V), UTC00040X, UTC00043X (SI-B3), UTC00045X, UTC00065X (SI-EN3D, SI-EN3D/V), UTC00066X (SI-EM3D, SI-EM3D/V), UTC00068X

Listed accessories for use in listed Yaskawa power conversion equipment, option card - field installable (24V power supply unit/kit) Model(s) PS-A10L or PS-A10H, may be followed by blank or A through Z.

PS-U10L or PS-U10H, may be followed by blank or A through Z, may be followed by blank or A through Z.

Listed accessories for use in listed Yaskawa power conversion equipment, option card - field installable (24V Power Supply Unit/Kit) Model(s) PS-V10S, PS-V10M, may be followed by blank or A through Z, may be followed by blank or -1.

Listed accessories for use in listed Yaskawa power conversion equipment, option card - field installable (480Vac Power Supply Unit/Kit) Model(s) PS-F10H, may be followed by /UL, may be followed by blank or A through Z.

**Power conversion equipment, converters** Model(s) CIMR-, followed by MR5, followed by A through Z, followed by 2 or 4, followed by 3P7, 5P5, 7P5, 011, 015, 018, 022, 030. Spec. Number: 2, followed by 3P7, 5P5, 7P5, 011, 015, 018, 022, 030, followed by 0, may be followed by A through Z; may be followed by XXXXXX, where X is 0-9 or A-Z. Spec. Number: 4, followed by 5P5, 7P5, 011, 015, 018, 022, followed by 0, may be followed by A through Z, may be followed by XXXXXX, where X is 0-9 or A-Z.

Power conversion equipment, drives Model(s) CIMR, followed by -AC, followed by A through Z, followed by 2 or 4, followed by 5P5, 011, 022, 045, 075, 110, 160. Spec. Number: 2 followed by 5P5, 011, 022, 045 followed by blank, 0, or 1, followed by A through Z, may be followed by A through Z. Spec. Number: 4 followed by 5P5, 011, 022, 045, 075, 110, 160, followed by blank, 0, or 1, followed by A through Z, may be followed by A through Z.

CIMR, followed by L, followed by E, followed by 2 or 4, followed by A through Z, followed by XXXX, where XXXX is 0009 through 0432, followed by A or D, followed by XX, where XX is AA through ZZ.

CIMR-, followed by -E7, -F7 or -P7, followed by A through Z, followed by 2 or 4, followed by 0P4, 0P7, 1P5, 2P2, 3P7, 5P5, 7P5, 011, 015, 018, 022, 030, 037, 045, 055, 075, 090, 110, 132, 160, 185, 220 or 300. Spec. Number: 2 followed by 0P4, 0P7, 1P5, 2P2, 3P7, 5P5, 7P5, 011, 015, 018, 022, 030, 037, 045, 055, 075, 090, 110 followed by blank, 0, 1, 7, Q or V, followed by A through Z, may be followed by A through Z, may be followed by -XXXXXXXXXX, where XXXXXXXXXX can be any combination of letters and numbers. Spec. Number: 4 followed by 0P4, 0P7, 1P5, 2P2, 3P7, 4P0, 5P5, 7P5, 9P0, 011, 015, 018, 022, 024, 030, 037, 045, 055, 075, 090, 110, 132, 160, 185, 220, 300; followed by blank, 0, 1, 7, Q or V, followed by A through Z, may be followed by A through Z, may be followed by -XXXXXXXXX, where XXXXXXXXX can be any combination of letters and numbers.

CIMR-, followed by -G7, followed by A through Z, followed by 2 or 4, followed by 0P4, 0P7, 1P5, 2P2, 3P7, 5P5, 7P5, 011, 015, 018, 022, 030, 037, 045, 055, 075, 090, 110, 132, 160, 185, 220, or 300. Spec. Number: 4 followed by 0P4, 0P7, 1P5, 2P2, 3P7, 4P0, 5P5, 7P5, 011, 015, 018, 022, 030, 037, 045, 055, 075, 090, 110, 132, 160, 185, 220, 300 followed by blank, 0, 1, Q or V, followed by A through Z, may be followed by A through Z. Spec. Number: 2 followed by 0P4, 0P7, 1P5, 2P2, 3P7, 5P5, 7P5, 011, 015, 018, 022, 030, 037, 045, 055, 075, 090, 110 followed by blank, 0, 1, Q or V, followed by A through Z, may be followed by A through Z.

CIMR-, followed by -L7, followed by A through Z, followed by 2 or 4, followed by 3P7, 5P5, 7P5, 011, 015, 018, 022, 030, 037, 045, 055. Spec. Number: 2 followed by 3P7, 5P5, 7P5, 011, 015, 018, 022, 030, 037, 045, 055, 0 or 1, followed by A through Z, may be followed by A through Z. Spec. Number: 4 followed by 3P7, 4P0, 5P5, 7P5, 011, 015, 018, 022, 030, 037, 045, 055; followed by blank, 0 or 1, followed by A through Z, may be followed by A through Z.

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E131457

#### NMMS.E131457 - Power Conversion Equipment

CIMR-, followed by A, E, H, L, P or T, followed by A through Z (except for letter E), followed by 2, 4 or 5 followed by A through Z (except for letter T), followed by XXXX, where XXXX is 0002 through 1200, followed by A, B, C, D, F or U, followed by XX, where XX is AA through ZZ.

CIMR-, followed by J, followed by A through Z, followed by B, 2 or 4, followed by A through Z, followed by 00, followed by XXXX, where XXXX is 0001 through 0020, followed by A through Z, followed by A through Z, followed by A through Z.

CIMR-, followed by M5, followed by A through Z, followed by 2 or 4, followed by 3P7, 5P5, 7P5, 011, 015, 018, 022, 030, may be followed by 0, may be followed by - XXXX, where X is 0-9 or A-Z. Spec. Number: 2, followed by 3P7, 5P5, 7P5, 011, 015, 018, 022, 030, followed by 0, may be followed by A through Z, may be followed by XXXXXX, where X is 0-9 or A-Z. Spec. Number: 4, followed by 5P5, 7P5, 011, 015, 018, 022, followed by 0, may be followed by A through Z; may be followed by XXXXXX, where X is 0-9 or A-Z. Spec. Number: 4, followed by 5P5, 7P5, 011, 015, 018, 022, followed by 0, may be followed by A through Z; may be followed by XXXXXX, where X is 0-9 or A-Z.

CIMR-, followed by U or Z, followed by A through Z, followed by 2 or 4, followed by A through Z, followed by XXXX, where XXXX is 0011 through 0590, followed by XXX, where XXX is AAA through ZZZ.

CIMR-, followed by V or P, followed by A through Z, followed by B, 2 or 4, followed by A through Z, followed by 00, followed by XXXX, where XXXX is 0001 through 12, 18, 20, 23, 30, 31, 38, 40, 56, 0069, followed by G or H, followed by A through Z, followed by A through Z.

CIMR-, followed by V, K, L, T, or P, followed by A through Z, followed by B, 2 or 4, followed by A through Z, followed by XXXX, where XXXX is 0001 through 0069, followed by A through Z, followed by A through Z, followed by A through Z.

CIMR-, followed by V7, followed by A through Z, followed by A through Z, followed by B or 2 or 4, followed by 0P1, 0P2, 0P4, 0P7, 1P5, 2P2, 3P0, 3P7, 4P0, 5P5, or 7P5. Spec. Number: B, 2 or 4, followed by 0P1, 0P2, 0P4, 0P7, 1P5, 2P2, 3P0, 3P7, 4P0, 5P5 or 7P5, followed by 0, 1 or V, may be followed by -XXXXXXXXXX, where XXXXXXXXX can be any combination of letters and numbers.

CIMR-, followed by Z, followed by A through Z, followed by 2, 4 or 5, followed by A through Z (except for letters E, P, T, U and W), followed by XXXX, where XXXX is 0003 through 0590, followed by A,F or U, followed by XX, where XX is AA through ZZ.

FCL, followed by 2 or 4, followed by -0-12 or -1-19 or -2-41, followed by X, where X is A through Z, followed by X, where X is A through Z, may be followed by 0 or 1. Spec. Number: 2 or 4, followed by 012 or 019 or 041; may or may not be followed by 2, may or may not be followed by XX, where XX is AA to ZZ incl, may be followed by 0 or 1.

**Power conversion equipment, drives, 12 pulse** Model(s) CIMR-, followed by A, P or Z, followed by A through Z, followed by 4, followed by T, followed by 0XXX, where XXX is 058 through 675, followed by XXX, where XXX is AAA through ZZZ.

**Power conversion equipment, drives, type 12** Model(s) CIMR-, followed by E7, followed by Z, followed by 4, followed by 011. Spec. Number: 4, followed by 011; followed by 2, may or may not be followed by XX, where XX is AA to ZZ incl.

Z1000 Type 12 Attachment Kit, field installable Model(s) 72606-, followed by EZZ021642, followed by A thru G.

UUX000902, UUX000903, UUX000904, UUX000905, UUX000906, UUX000907, UUX000908

### Investigated to ANSI/UL 61800-5-1 (1st ed. Rev: 2015-03-06)

**Power Conversion Equipment, "Single Phase Boost Coverter"** Model(s) SBC followed by 2 or 4, followed by 015 or 022, 030, 037, 045, followed by XXX, where XXX is AAA through ZZZ.

## Investigated to UL 61800-5-1

**Power conversion equipment, drives, "GA700 Series"** Model(s) CIPR, followed by GA70, CH70 or CR70, followed by A through Z, followed by 2 or 4, followed by XXX, where XXX is 002 through 720, followed by A through Z, foll

\* - Where X is 0 thru 9 or A thru Z.

Last Updated on 2017-12-19

Questions?

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Page Top

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