

## NMMS.E177007 - Power Conversion Equipment

\*\*HISTORICAL\*\*

*Note: We are enhancing our systems and you may notice duplicate entries/missing/outdated data. During this interim period, please contact our Customer Service at <https://www.ul.com/about/locations>.*

## Power Conversion Equipment

See General Information for Power Conversion Equipment

**TECO ELECTRIC & MACHINERY CO LTD**

E177007

INDUSTRIAL PRODUCTS &  
SYSTEM AUTOMATION  
10TH FL 3-1 YUAN CYU ST NAN-KANG  
TAIPEI, 115 TAIWAN

Trademark and/or Tradename:

**Investigated to ANSI/UL 508C**

**AC Drive, "N3 Series"** Model(s) N3 followed by 215,220,225,230,240,420,425,430,440,450,460,475, followed by N1 or C, followed by XXX, where X may be any alphanumeric character or blank..

N3 followed by 2P5, 201, 202, 203, 205, 207, 210, 401, 402 403, 405, 407, 410 or 415, followed by C, CS, or CSF, followed by XXX, where X may be any alphanumeric character or blank.

NK followed by 2P5, 201, 202, 203, 205, 207, 210, 401, 402 403, 405, 407, 410 or 415, followed by C, CS, or CSF, followed by XXX, where X may be any alphanumeric character or blank.

**AC Drive, "NK Series"** Model(s) NK followed by 215,220,225,230,240,420,425,430,440,450,460,475 followed by N1 or C, followed by XXX, where X may be any alphanumeric character or blank.

**AC Drive** Model(s) A51 followed by 0-9 followed by 6015, 6020, 6025, 4030, 6040, 6050, 6060, 6075, 6100, 6125, 6150, 6175, 6215, 6250, 6270, may be followed by S, followed by C3, E3, G3, or H3, followed by F or blank, maybe followed by N1 or blank, maybe followed by XX or blank, where X may be any alphanumeric character or blank.

F51 followed by 0-9 followed by 5001, 5002, 5003, 5005, 5008, 5010, 5015 followed by H3 or C3 followed by F or blank, maybe followed by N1 or blank, maybe followed by XX or blank, where X may be any alphanumeric character or blank.

KA51 followed by 0-9 followed by 6015, 6020, 6025, 4030, 6040, 6050, 6060, 6075, 6100, 6125, 6150, 6175, 6215, 6250, 6270, 6300 may be followed by S, followed by C3 or H3, followed by F or blank, maybe followed by N1 or blank, maybe followed by XX or blank, where X may be any alphanumeric character or blank.

KF51 followed by 0-9 followed by 5001, 5002, 5003, 5005, 5008, 5010, 5015 followed by H3, E3, G3, or C3 followed by F or blank, maybe followed by N1 or blank, maybe followed by XX or blank, where X may be any alphanumeric character or blank.

**AC Drive, Enclosed or open type** Model(s) F51 or KF51 followed by 0-9 followed by 6015, 6020, 6025, 4030, 6040, 6050, 6060, 6075, 6100, 6125, 6150, 6175, 6215, 6250, 6270, 6335, may be followed by S, followed by C3, E3, G3, or H3, followed by F or blank, maybe followed by N1 or blank, maybe followed by XX or blank, where X may be any alphanumeric character or blank

**Braking unit of power conversion equipment, enclosed types** Model(s) JNEKB-230, JNEKB-430, JNTBU-230, JNTBU-430, TBU-230, TBU-430, U200ABU-230, U200ABU-430

**Braking unit of power conversion equipment, open types** Model(s) ETBU-203, ETBU-403, JNEKBU-203, JNEKBU-403, JNTBU-203, JNTBU-403, TBU-203, TBU-403

**cv, "33CV Series"** Model(s) 33VC-2.2

**Enclosed models with Type 1 enclosures, "7200 Series or 7300 Series"** Model(s) MA7200 followed by 2 or 4 followed by 001, 002, 003, 005, 007, 010, 015 or 020, followed by N1.

MA7300 followed by 2 or 4 followed by 001, 002, 003, 005, 007, 010, 015 or 020, followed by N1.

**Enclosed models with Type 1 enclosures, "GS Series or GP Series"** Model(s) JNT, followed by EBG or FBG followed by BA or BB, followed by 0025 thru 0500, followed by JK\* or AZ\*.

**Enclosed models with Type 1 enclosures, "GS510 Series"** Model(s) GS510 followed by BA or BB, followed by 0025 - 0215, followed by JK or AZ, may be followed by numbers and/or letters.

**Enclosed models with Type 1 enclosures, "MA Series"** Model(s) JNTM followed by BG or BC followed by BA or BB, followed by 0100, 0125, 0150, 0175 or 0215, followed by JK or AZ followed by XXX or blank. where X may be any alphanumeric character or blank.

JNTMBGGB followed by 0001, 0002, 0003, 0005, 7R50, 0010, 0015, or 0020, followed by JK or AZ, maybe followed by A or S, maybe followed by XXX, -U-, -UW, U-, UW, UK, -UK additional any alphanumeric suffixes.

**Enclosed models with Type 1 enclosures, "MA7200 Series"** Model(s) MA7200 followed by 4100, 4125, 4150, 4175 or 4200 followed by N1

**Enclosed models with Type 1 enclosures, "N31 Series"** Model(s) N31 followed by 0-9 followed by, followed by 4100, 4125, 4150, 4175 or 4215, followed by H3 or H3X followed by C or Blank

**Enclosed models with Type 1 enclosures, "PA7300 Series"** Model(s) PA7300-2025-N1, PA7300-2125-N1, PA7300-4025-N1, PA7300-500-N1

**Enclosed models with Type 1 enclosures** Model(s) 2750, 2752, 2775, 2800, 2802, DEF23-0865ES, DEF23-1065ES, DEF43-0265ES, DEF43-0865ES, DEF43-1065ES, E2-202-H, E2-202-H1FN4S, E2-202-HN4, E2-203-H, E2-203-H1FN4S, E2-401-H3F, E2-401-H3FN4, E2-402-H3, E2-402-H3F, E2-402-H3FN4S, E2-402-H3N, E2-402-H3N4, E2-403-H3F, FM50S-401-N4, FM50S-402-N4, FM50S-403-N4, FUMTG0015S4IP65S, FUTG0022H4IP65S, FUWTG0007H40, FUWTG0015H4IP65S, FUWTG0022H40

JNT, followed by MBG or HBG followed by BB or BA, followed by 0015 thru 0075, followed by JK\* or AZ\*.

KBE2-2202-P, KBE2-2203-PF, KBE2-4302-4, KBE2-4304-4

MA7200 followed by 2025, 2030, 2040, 4025, 4030, 4040, 4050, 4060 or 4075 followed by N1 or C.

MA7300 followed by 2025, 2030, 2040, 4025, 4030, 4040, 4050, 4060 or 4075 followed by N1 or C.

ME-403-H3, ME2-203-H1FN4S, ME2-401-H3N4, ME2-402-H3, ME2-402-H3F, ME2-402-H3FN4S, ME2-402-H3N4, ME2-403-H3F, MSD-202-H1FN4, MSD-203-HN4, MSD-401-H3, MSD-401-H3FN4S, MSD-401-H3N4, MSD-403-H3, SYN10S22007-AF, SYN10S33009-AF, SYN10T40009AF, U20N4K5PS, U20X0K7PS, U20X1K5PS

**Enclosed types, "33CV Series"** Model(s) 33CV-11, 33CV-5.5, 33CV-7.5

**Enclosed types, "JNS310 Series"** Model(s) KN31 followed by 0-9, followed by 20P5, 2001, 2002, 2003, 4001, 4002, 4003, 4005, 4008, 4010 or 4015, followed by H or S, followed by 3, maybe followed by X, maybe followed by Y (Y may be any alphanumeric character)

N31 followed by 0-9, followed by 20P5, 2001, 2002, 2003, 4001, 4002, 4003, 4005, 4008, 4010 or 4015, followed by H or S, followed by 3, maybe followed by X, maybe followed by Y (Y may be any alphanumeric character)

**Enclosed types, "JNV31 Series"** Model(s) JNKV31 followed by 20024, 20032, 20048, 20064, 20080, 20096, 40014, 40018, 40027, 40032, 40040, 40050 or 40065 followed by H or B, followed by 3 or blank, followed by D, F or blank, followed by N4 or blank.

JNV31 followed by 20024, 20032, 20048, 20064, 20080, 20096, 40014, 40018, 40027, 40032, 40040, 40050 or 40065 followed by H or B, followed by 3 or blank, followed by D, F or blank, followed by N4 or blank.

**Enclosed types, "V3 Series"** Model(s) V3-408-H3, V3-410-H3, V3-415-H3, V3-415-H3F

**Enclosed types, "V31 Series"** Model(s) V31 followed by 2008, 2010, 2015, 2020, 2025, 2030, 4008, 4010, 4015, 4020, 4025, 4030 or 4040 followed by H or B, followed by 3 or blank followed by D, F or blank, followed by N4 or blank.

**Enclosed types, "VCM Series"** Model(s) VCM-407-P, VCM-410-P, VCM-415-P

**Enclosed types, "ZA Series"** Model(s) ZA-0550-BE, ZA-0750-BE, ZA-1100-BE

**Enclosed types** Model(s) 2704, 2714, 2716, 2724, 2726, 2734, 2736, 2744, 2746, 2754, 2756, 2764, 2766, 2774, 2776, 2784, 2786, 2796, 2806, 2808, 2809, 2810, 2813, 2814, CSD-202-N4, CSD-203-N4, CSD-205-N, CSD-205-N4, CSD-207-N, CSD-210-N, CSD-2P5-N4, CSD-401-N4, CSD-402-N4, CSD-403-N4, CSD-405-N4, CSD-407-N, CSD-410-N, DFE23-0165ES, DFE23-0265ES, DFE23-0465ES, E2-IP2-H1N4, E2-IP2-H1N4S, E2-IP5-H1N4, E2-IP5-H1N4S, FM-100-201-N4, FM-100-202-N4, FM-100-203-N4, FM-100-205-N4, FM-100-215, FM-100-220, FM-100-230, FM-100-2P5-N4, FM-100-401-N4, FM-100-402-N4, FM-100-403-N4, FM-100-405-N4, FM100-201-N1, FM100-202-N1, FM100-203-N1, FM100-205-N1, FM100-230-N1, FM100-2P5-N1, FM100-401-N1, FM100-402-N1, FM100-403-N1, FM100-405-N1, FM100-410-N1, FM100-415-N1, FM100-420-N1, FM100-430-N1, FM50-201-N4, FM50-2P2-N4, FM50S-201-N4, FM50S-2P2-N4, FM50S-2P5-N4, FM700-215-N1, FM700-220-N1, FUMTG0002S4IP65, FUMTG0002S4IP65S, FUMTG0004S4IP65, FUMTG0004S4IP65S, FUMTG0007S4IP65S

JNTL followed by BC, may be followed by BA, followed by 7R50, 0010 or 0015, followed by BE, followed by U, may be followed by F.

K1-208-M3, K1-210-M3, K1-215-M3, K1-220-M3, K1-230-M3, K1-405-M3, K1-408-M3, K1-410-M3, K1-415-M3, K1-420-M3, K1-430-M3, ME2-201-H1FN4 sometimes followed by S., ME2-2P2-H1FN4 sometimes followed by S., ME2-2P5-H1FN4 sometimes followed by S., MSD-201-H1FN4 sometimes followed by S., MSD-2P2-H1FN4 sometimes followed by S., MSD-2P5-H1FN4 sometimes followed by S., N2-201-H, N2-201-M, N2-202-H, N2-202-M, N2-202-MN4, N2-203-H, N2-203-M, N2-203-MN4, N2-205-H3, N2-205-M3, N2-205-M3N4, N2-208-H3, N2-208-M3, N2-210-H3, N2-210-M3, N2-215-H3, N2-215-M3, N2-21P-H, N2-21P-M, N2-220-H3, N2-220-M3, N2-230-H3, N2-230-M3, N2-2301-1, N2-2302-1, N2-2302-4, N2-2303-1, N2-2303-4, N2-2305-1, N2-2305-4, N2-2310-1, N2-23301-1, N2-2350-1, N2-2350-4, N2-2P3-H, N2-2P3-M, N2-2P5-H, N2-2P5-M, N2-2P7-H, N2-2P7-M, N2-401-H, N2-401-M3, N2-402-H, N2-402-M3, N2-402-M3N4, N2-403-H, N2-403-M3, N2-405-H, N2-405-M3, N2-408-H3, N2-408-M3, N2-410-H3, N2-410-M3, N2-415-H3, N2-415-M3, N2-420-H3, N2-420-M3, N2-425-H3, N2-430-M3, N2-4301-1, N2-4301-4, N2-4302-1, N2-4303-1, N2-4303-4, N2-4305-1, N2-4307-1, N2-4310-1, N2-4315-1, N2-4320-1, N2-4330-1, Series 7200 GA/PA, Series 7300CV

Series JNTH, followed by BC, may be followed by BA, followed by 7R50, 0010 or 0015, followed by BE, followed by U, may be followed by F.

V2-201-H, V2-202-H, V2-202-M3, V2-203-H, V2-205-H3, V2-208-H3, V2-208-M3, V2-210-H3, V2-210-M3, V2-215-H3, V2-215-M3, V2-220-H3, V2-220-M3, V2-225-M3, V2-230-H3, V2-230-M3, V2-401-H3, V2-401-M3, V2-402-H3, V2-402-M3, V2-403-H3, V2-403-M3, V2-405-H3, V2-405-M3, V2-408-H3, V2-408-M3N4, V2-410-H3, V2-410-M3N4, V2-415-H3, V2-415-M3, V2-420-H3, V2-420-M3, V2-425-H3, V2-430-H3, V2-430-M3, V2040K2P, V20N0K4P

**Enclosed types 4X, indoor use only** Model(s) 2807, 2810, 2815, 2816, CAS-401-N4, CAS-402-N4, CAS-403-N4, CAS-405-N4, CSD-201-N4, CSD-205-N4, FM100-201-N4, FM100-202-N4, FM100-203-N4, FM100-205-N4, FM100-2P5-N4, FM100-401-N4, FM100-402-N4, FM100-403-N4, FM100-405-N4, N2-201-MN4, N2-205-M3N4, N2-208-H3N4, N2-210-H3N4, N2-2301-4, N2-2305-4, N2-2P5-HN4, N2-2P5-MN4, N2-401-M3N4, N2-403-M3N4, N2-405-M3N4, N2-408-H3N4, N2-410-H3N4, N2-4302-4, N2-4305-4, V2-202-M3N4, V2-203-M3N4, V2-208-H3N4, V2-210-H3N4, V2-235-M3N4, V2-401-M3N4, V2-402-M3N4, V2-403-M3N4, V2-405-M3N4, V2-408-H3N4, V2-410-H3N4

**Enclosed types or open types, "7300CV Series"** Model(s) JNTHBC-0010-BC-U, JNTHBC-0010-BC-UF, JNTHBC-7R50-BC-U, JNTHBC-7R50-BC-UF, JNTHBCBA-0010-BC-U, JNTHBCBA-0010-BC-UF, JNTHBCBA-7R50-BCU, JNTHBCBA-7R50-BCUF

**Enclosed types or open types, "A51 Series"** Model(s) A51 or KA51 followed by 0-9 followed by 5001, 5002, 5003, 5005, 5008, 5010, followed by H3, E3, G3, or C3 followed by F or blank, maybe followed by N1 or blank. (f)

**Enclosed types or open types, "F51 Series"** Model(s) F51 followed by 0-9 followed by 2002, 2003, 2005, 2008, 2010, 2015, 2020, 2025, 2030, 2040, 2050, 2060, 2075, 2100, 2125, 2150, 2175, 4001, 4002, 4003, 4005, 4008, 4010, 4015, 4020, 4025, 4030, 4040, 4050, 4060, 4075, 4100, 4125, 4150, 4175, 4215, 4250, 4300, 4375, 4425, 4535, 4670, 4800, may be followed by S, followed by C, H, C3, H3 or blank, followed by F or blank, maybe followed by N1 or blank, maybe followed by XX or blank, where X may be any alphanumeric character or blank.

KF51 followed by 0-9 followed by 2002, 2003, 2005, 2008, 2010, 2015, 2020, 2025, 2030, 2040, 2050, 2060, 2075, 2100, 2125, 2150, 2175, 4001, 4002, 4003, 4005, 4008, 4010, 4015, 4020, 4025, 4030, 4040, 4050, 4060, 4075, 4100, 4125, 4150, 4175, 4215, 4250, 4300, 4375, 4425, 4535, 4670, 4800, may be followed by S, followed by C, H, C3, H3 or blank, followed by F or blank, maybe followed by N1 or blank, maybe followed by XX or blank, where X may be any alphanumeric character or blank.

**Enclosed types or open types, "JNTL Series"** Model(s) JNTLBCBA-0010-BC-U, JNTLBCBA-0010-BC-UF, JNTLBCBA-7R50-BC-U, JNTLBCBA-7R50-BC-UF

**Enclosed types or open types, "V3 Series"** Model(s) V3-208-H3, V3-208-H3F, V3-210-H3, V3-210-H3F

**Enclosed types or open types, "VCM Series"** Model(s) VCM-207-P, VCM-210-P

**Enclosed, AC Drive** Model(s) 11-201 followed by 0-9, followed by 0-9, followed by 2P5, 201, 202, 203, 205, 208, 210, 215, 220, 401, 402, 403, 405, 408, 410, 415, 420, 425 followed by 0-9, followed by 0-9, maybe followed by XX or blank, where X may be any alphanumeric character.

TSTG followed by 10, 15, 20, 25, 30, 35, 50, 75, 100, 120, 150 or 200 or 300 followed by C, or D, maybe followed by XXX or blank, where X may be any alphanumeric character or blank.

**Enclosed, DC Drive** Model(s) BU-260, BU-4120, TBU-260, TBU-4120

**Open type, AC Drive, "Series 201"** Model(s) 201 Enclosed or Open type Models 11-201, followed by 0-9, followed by 0-9, followed by 225, 230, 240, 430, 440, 450, 460, 475 followed by 0-9, followed by 0-9, maybe followed by XX or blank, where X may be any alphanumeric character.

301 Enclosed or Open type Models 11-201, followed by 0-9, followed by 0-9, followed by 225, 230, 240, 430, 440, 450, 460, 475 followed by 0-9, followed by 0-9, maybe followed by XX or blank, where X may be any alphanumeric character.

**Open type, AC Drive, "Series E51"** Model(s) E51 followed by 0-9 followed by 225, 230, 240, 430, 440, 450, 460, 475 followed by H, H1, H3, SH, SH1 or SH3 maybe followed by F, T, or blank, maybe followed by N1, N, NR, NS, N4, N4R, N4S, or blank, maybe followed by XX or blank, where X may be any alphanumeric character.

KE51 followed by 0-9 followed by 225, 230, 240, 430, 440, 450, 460, 475 followed by H, H1, H3, SH, SH1 or SH3 maybe followed by F, T, or blank, maybe followed by N1, N, NR, NS, N4, N4R, N4S, or blank, maybe followed by XX or blank, where X may be any alphanumeric character.

**Open type, AC Drive** Model(s) 21-201 followed by 0-9, followed by 0-9, followed by 010, 015, 020, 025, 030, 035, 050, 075, 100, 120, 150, 200 or 300 followed by 0-9, followed by 0-9, maybe followed by XX or blank, where X may be any alphanumeric character.

JSD followed by G2 or G2S, followed by 10, 15, 20, 25, 30, 35, 50, 75, 100, 120, 150, 200 or 300, followed by A, A3 or B, may be followed by XXX or blank, where X may be any alphanumeric character or blank.

LM Models LM16 followed by 123 or 340, followed by 0018, 0037, 0075, 0150 0220, 0400, 0550, 0750 or 1100 followed by F, followed by 20, followed by L or blank.

**Open types, "12CV Series"** Model(s) 12CV-0.4, 12CV-0.75, 12CV-1.5

**Open types, "33CV Series"** Model(s) 33CV-0.75, 33CV-1.5, 33CV-3.7

**Open types, "BMD Series"** Model(s) BMD followed by AL, followed by 002K, 004K, 007K, 015K or 022K, followed by 1 or 2, followed by 1 or 3, followed by G.

**Open types, "FID Series"** Model(s) FID followed by S1, followed by 004, 007 015 and 022 followed by 21, maybe followed by D, BD or blank.

RS followed by 510 followed by 2P5, 201, 202, 203, 401, 402, 403, 405, 408, 410 and 415 followed by SH1F or SH3F, followed by PLR or R.

**Open types, "L510 Series"** Model(s) KL310 followed by 1P2, 1P5, 101, 2P2, 2P5, 2P7, 201, 202, 203, 205, 208, 210, 401, 402, 403, 405, 408, 410, 415, followed by S or blank, followed by H1, S1, S3, or H3 maybe followed by F or blank, followed by P, N, U or blank, maybe followed by XX or blank, maybe where X may be any alphanumeric character or blank.

KL510 followed by 1P2, 1P5, 101, 2P2, 2P5, 2P7, 201, 202, 203, 205, 208, 210, 401, 402, 403, 405, 408, 410, 415, followed by S or blank, followed by H1, S1, S3, or H3 maybe followed by F or blank, followed by P, N, U or blank, maybe followed by XX or blank, maybe where X may be any alphanumeric character or blank.

L310 followed by 1P2, 1P5, 101, 2P2, 2P5, 2P7, 201, 202, 203, 205, 208, 210, 401, 402, 403, 405, 408, 410, 415, followed by S or blank, followed by H1, S1, S3, or H3 maybe followed by F or blank, followed by P, N, U or blank, maybe followed by XX or blank, maybe where X may be any alphanumeric character or blank.

L510 followed by 1P2, 1P5, 101, 2P2, 2P5, 2P7, 201, 202, 203, 205, 208, 210, 401, 402, 403, 405, 408, 410, 415, followed by S or blank, followed by H1, S1, S3, or H3 maybe followed by F or blank, followed by P, N, U or blank, maybe followed by XX or blank, maybe where X may be any alphanumeric character or blank.

**Open types, "N3 Series"** Model(s) N3202CS, N3403-C

**Open types, "S310 Series"** Model(s) KS31 followed by 0-9, followed by 2P2, 2P5, 201 and 202, followed by H1, maybe followed by B, maybe followed by C or blank, maybe followed by D or blank.

PS51 followed by 0-9, followed by 2P2, 2P5, 201 and 202, followed by H1, maybe followed by B, maybe followed by C or blank, maybe followed by D or blank.

S31 followed by 0-9, followed by 2P2, 2P5, 201 and 202, followed by H1, maybe followed by B, maybe followed by C or blank, maybe followed by D or blank.

**Open types, "SSD Series"** Model(s) SSD-401-H3, SSD-401-H3F, SSD-402-H3, SSD-402-H3F

**Open types, "V3 Series"** Model(s) V3-202-H1F, V3-403-H3, V3-403-H3F, V3-405-H3

**Open types, "VCM Series"** Model(s) VCM-201-P, VCM-202-P, VCM-2021-P, VCM-2P5-P, VCM-401-P, VCM-402-P, VCM-403-P, VCM-405-P

**Open types, "ZA Series"** Model(s) ZA-0150AC, ZA-0220-BE, ZA-0370-BE

**Open types** Model(s) 2700, 2701, 2702, 2703, 2706, 2710, 2712, 2720, 2722, 2728, 2729, 2732, 2738, 2739, 2767, 2768, 2769, 2792, 2793, 2795, 2797, 2798, DEF23-08, DEF23-10, DEF43-04, DEF43-09, DEF43-10, DFE23-01, DFE23-02, DFE23-04, DFE23-08, DFE23-10, E2-101-H1, E2-1P2-H1, E2-1P5-H1, E2-201-H1, E2-201-H1F, E2-201-M1, E2-201-M1F, E2-202-H, E2-202-H1F, E2-203-H, E2-203-H1F, E2-2302-C, E2-2302-CF, E2-2303-C, E2-2303-CF, E2-2P2-H1, E2-2P2-H1F, E2-2P2-M1, E2-2P2-M1F, E2-2P5-H1, E2-2P5-H1F, E2-2P5-M1, E2-2P5-M1F, E2-401-H3, E2-403-H3, FM50-101-C, FM50-101-OC, FM50-1P2-C, FM50-1P5-C, FM50-201-OC, FM50-202-C, FM50-202-OC, FM50-203-C, FM50-203-OC, FM50-2P2-C, FM50-2P5-C, FM50-2P5-OC, FM50-401-C, FM50-401-OC, FM50-402-C, FM50-402-OC, FM50-403-C, FM50-403-OC, FUWTG0002S4, FUWTG0002S40, FUWTG0004S4, FUWTG0004S40, FUWTG0007H4, FUWTG0007S4, FUWTG0007S40, FUWTG0015H4, FUWTG0015H40, FUWTG0015S4, FUWTG0015S40, FUWTG0022H4, FUWTG0022S4, FUWTG0022S40, JNTHBCBA-0002AC-U, JNTHBCBA0002AC-UF, JNTHBCBA0003AC-U, JNTHBCBA0003AC-UF, JNTHBCBA0003BC-U, JNTHBCBA0005BC-U, JNTHBCBA0005BC-UF, JNTHBCBA0003BE-U, JNTHBCBA0003BE-UF, JNTHBCBA0005BE-U, JNTHBCBA0005BE-UF, JNTHBCBA0002AC-U, K1-203-MM3, K1-205-M3, K1-401-M3, K1-402-M3, K1-403-M3, KBE2-1101-P, KBE2-1125-P, KBE2-1150-P, KBE2-2101-P, KBE2-2101-PF, KBE2-2125-P, KBE2-2125-PF, KBE2-2150-P, KBE2-2150-PF, KBE2-2202-PF, KBE2-2203-P, KBE2-4301-P, KBE2-4301-PF, KBE2-4302-P, KBE2-4302-PF, KBE2-4303-P, KBE2-4303-PF, ME2-101, ME2-101-H1, ME2-1P2-H1, ME2-1P5-H1, ME2-201-H1, ME2-201-H1F, ME2-202-H, ME2-202-H1F, ME2-203-H, ME2-203-H1F, ME2-2P2-H1, ME2-2P2-H1F, ME2-2P5-H1, ME2-2P5-H1F, ME2-401-H3, ME2-401-H3F, ME2-403-H3, MSD-101-H1, MSD-1P2-H1, MSD-1P5-H1, MSD-201-H1, MSD-201-H1F, MSD-202-H, MSD-202-H1F, MSD-203-H, MSD-203-H1F, MSD-2P2-H1, MSD-2P2-H1F, MSD-2P5-H1, MSD-2P5-H1F, MSD-401-H3F, MSD-402-H3, MSD-402-H3F, MSD-403-H3F

Series EV3 followed by 205, 207, 210, 405, 408, 410 or 415 followed by H3 or H3F.

Series JNEK followed by 205, 207, 210, 405, 408, 410 or 415 followed by H3 or H3F.

Series JNEV, followed by 205, 207, 210, 405, 408, 410 or 415 followed by H3 or H3F.

Series JNT followed by HBC, KBC, HBG, KBG, HBL or KBL, followed by BA, followed by R500 0001 or 0002, 0003, 0005, 7R50, 0010 or 0015 followed by AC, BC or BE, followed by xxx, -U- or -UF, where X may be any alphanumeric character or blank.

Series SV3 2P5, 201, 202, 203, 205, 208, 210, 401, 402, 403, 405, 408, 410 or 415, followed by H1, H1F, H1T, H3, H3F or H3T, followed by blank, L or C, followed by XXX, where X may be any alphanumeric character or blank

Series U203 followed by N or X, followed by 00, 01 or 11, followed by K, followed by 0SS, 5FS, 7FS or 7SS.

SYN10 S 220 07 AF, SYN10 S 220 09 AF, SYN10S11501, SYN10S11503, SYN10S11505, SYN10S22001AF, SYN10S22003AF, SYN10S22005AF, SYN10T40005AF, SYN10T40007AF, U20N1K5S, U20N1K5SX, U20N2K2S, U20N2K2SX, U20NOK2S, U20NOK2SX, U20NOK4S, U20NOK4SX, U20NOK7S, U20NOK7SX, U20X0K7S, U20X0K7SX, U20X1K5S, U20X1K5SX, U20X2K2S, U20X2K2SX, UNTHBCBA0003BE-U, UNTHBCBA0003BE-UF, UNTHBCBA0005BE-U, UNTHBCBA0005BE-UF

**Power conversion equipment, "33VC Series"** Model(s) 33VC-15, 33VC-18, 33VC-22, 33VC-30, 33VC-37, 33VC-45, 33VC-55

**Power conversion equipment, "7200MA Series"** Model(s) JNTMBGGBB-0001-AX\*, JNTMBGGBB-0002-AX\*, JNTMBGGBB-0003-AX\*, JNTMBGGBB-0005-AX\*, JNTMBGGBB-0010-AX\*, JNTMBGGBB-7R50-AX\*

**Power conversion equipment, "7300EV No Brand Series"** Model(s) JNEK followed by 1, 2 or 4 followed by P2, P5, 01, 02 or 03, followed by H, H1 or H3, may be followed by F, followed by N4 or N4S.

**Power conversion equipment, "7300EV Series"** Model(s) JLEV-202-H1, JLEV-202-H1F, JLEV-202-H2, JLEV-203-H1, JLEV-203-H1F, JLEV-203-H2

JNEV followed by 1, 2 or 4 followed by P2, P5, 01, 02 or 03, followed by H, H1 or H3, may be followed by F, followed by N4 or N4S.

JNEV-101-H1, JNEV-1P2-H1, JNEV-1P5-H1, JNEV-201-H1, JNEV-202-H1, JNEV-202-H1F, JNEV-202-H2, JNEV-203-H1, JNEV-203-H1F, JNEV-203-H2, JNEV-2P2-H1, JNEV-2P2-H1F, JNEV-2P5-H1, JNEV-2P5-H1F, JNEV-401-H3, JNEV-401-H3F, JNEV-402-H3, JNEV-402-H3F, JNEV-403-H3, JNEV-403-H3F

**Power Conversion Equipment, "7300EVKP Series"** Model(s) JNEKP followed by 1, 2 or 4 followed by P2 ,P5 ,01 ,02 or 03, followed by H, H1 or H3, maybe followed by F, maybe followed by N4 or N4S

**Power conversion equipment, "7300EVP Series"** Model(s) JNEVP followed by 1, 2 or 4 followed by P2, P5, 01, 02 or 03, followed by H, H1 or H3, maybe followed by F, maybe followed by N4 or N4S

**Power conversion equipment, "ENDA Series"** Model(s) H, followed by 0020, 0040, 0075, 0150 or 0200 followed AC, may be followed F.

**Power conversion equipment, "EV300 Series"** Model(s) EV3 followed by 1, 2 or 4 followed by P2, P5, 01, 02 or 03, followed by H, H1 or H3, maybe followed by F, followed by N4 or N4S

**Power conversion equipment, "GEPC Series"** Model(s) U101N-0K2-FS, U101N-0K4-FS, U101N-1K5-FS, U101N-2K2-FS, U103X-0K2-FS, U103X-0K4-FS, U103X-1K5-FS, U103X-2K2-FS

**Power Conversion Equipment, "JSD Series"** Model(s) JSD followed by A or AP followed by 10, 15, 20, 25, 30, 35, 50, 75, 100, 150, 200, 300 followed by A, A1, A3 or B, maybe followed by C or blank, maybe followed by XXX or blank, where X may be any alphanumeric character or blank

JSD followed by E, EP, ES or E2 followed by 10, 15, 20, 30, 50, or 75A, followed by A, A3 maybe followed by XXX or blank, where X may be any alphanumeric character or blank

JSD followed by N followed by 10, 15, 20, 25, 30, 35, 50, 75, 100, 150, 200, 300 followed by A or A1, A3, or B maybe followed by C or blank, maybe followed by XXX or blank, where X may be any alphanumeric character or blank.

**Power conversion equipment, "JSD Series"** Model(s) JSDL followed by 15, 20 or 30 followed by A1, followed by P or V. (f)

**Power Conversion Equipment, "JSDL2"** Model(s) JSDL2 followed by 10, 15, 20 or 30 followed by A1, maybe followed by XXX or blank, where X may be any alphanumeric character or blank.

**Power Conversion Equipment, "L512"** Model(s) L512 followed by 1P2, 1P5, 101, 2P2, 2P5, 2P7, 201, 202, 203, 205, 208, 210, 401, 402, 403, 405, 408, 410, 415, follow by S or blank, followed by H1, S1, S3 or H3 may be followed by F or blank, followed by P, N, U or blank, may be followed by XX or blank, may be where X may be any alphanumeric character or blank.

**Power conversion equipment, "MA Series"** Model(s) JNTMBGGB-0001-AZA, JNTMBGGB-0001-AZS, JNTMBGGB-0001-JK, JNTMBGGB-0001-JKA, JNTMBGGB-0001-JKS, JNTMBGGB-0002-AZA, JNTMBGGB-0002-AZS, JNTMBGGB-0002-JK, JNTMBGGB-0002-JKA, JNTMBGGB-0002-JKS, JNTMBGGB-0003-AZA, JNTMBGGB-0003-AZS, JNTMBGGB-0003-JK, JNTMBGGB-0003-JKA, JNTMBGGB-0003-JKS, JNTMBGGB-0005-AZA, JNTMBGGB-0005-AZS, JNTMBGGB-0005-JK, JNTMBGGB-0005-JKA, JNTMBGGB-0005-JKS, JNTMBGGB-0010-AZ, JNTMBGGB-0010-AZA, JNTMBGGB-0010-AZS, JNTMBGGB-0010-JK, JNTMBGGB-0010-JKA, JNTMBGGB-0010-JKS, JNTMBGGB-0015-AZ, JNTMBGGB-0015-AZA, JNTMBGGB-0015-AZS, JNTMBGGB-0015-JK, JNTMBGGB-0015-JKA, JNTMBGGB-0015-JKS, JNTMBGGB-0020-AZ, JNTMBGGB-0020-AZA, JNTMBGGB-0020-AZS, JNTMBGGB-0020-JK, JNTMBGGB-0020-JKA, JNTMBGGB-0020-JKS, JNTMBGGB-7R50-AZ, JNTMBGGB-7R50-AZA, JNTMBGGB-7R50-AZS, JNTMBGGB-7R50-JK, JNTMBGGB-7R50-JKA, JNTMBGGB-7R50-JKS

**Power conversion equipment, "MA7200 Series"** Model(s) MA7200-5001-N1, MA7200-5002-N1, MA7200-5003-N1, MA7200-5005-N1, MA7200-5007-N1

**Power conversion equipment, "PA7300 Series"** Model(s) PA7300-5005-N1, PA7300-5007-N1, PA7300-5010-N1, PA7300-5015-N1, PA7300-5025-N1, PA7300-5030-N1, PA7300-5040-N1, PA7300-5050-N1, PA7300-5057-N1, PA7300-5060-N1, PA7300-5075-N1, PA7300-5100-N1

**Power conversion equipment, "Series FID"** Model(s) FID(c)

**Power conversion equipment, "Series TA8481"** Model(s) TA8481 followed by N0000, N0100, N0200, N0300 , N0500, or N0700, maybe followed by XXX or blank, where X may be any alphanumeric character or blank

**Power conversion equipment, "TA8480 Series"** Model(s) TA8480 followed by N0000, N0100, N0200, N0300, N0500, N0700, N1000, N1500, N2000 or N3000 maybe followed by XXX or blank, where X may be any alphanumeric character or blank.

**Power conversion equipment, "TST Series"** Model(s) TST followed by E, EP, or F followed by 10, 15, 20, 30, 50, or 75A, followed by C, D maybe followed by XXX or blank, where X may be any alphanumeric character or blank

**Power Conversion Equipment, "Type 12 Models, Series E51"** Model(s) E51 or KE51 followed by 0-9 followed by 2P5, 201, 202, 203, 205, 208, 210, 215, 220, 401, 402, 403, 405, 408, 410, 415, 420, 425 followed by H, H1, H3, SH, SH1 or SH3 maybe followed by F or blank, maybe followed by N, NR, N4, or N4R, maybe followed by XX or blank, where X may be any alphanumeric character

**Power conversion equipment, "V3 Series"** Model(s) V3-201-H1, V3-201-H1F, V3-201-H3, V3-202-H1, V3-202-H3, V3-203-H1, V3-203-H1F, V3-203-H3, V3-205-H1, V3-205-H1F, V3-205-H3, V3-208-H3, V3-208-H3F, V3-210-H3F, V3-215-H3, V3-215-H3-C, V3-220-H3, V3-220-H3-C, V3-225-H3, V3-225-H3-C, V3-230-H3, V3-230-H3-C, V3-240-H3, V3-240-H3-C, V3-2P5-H1, V3-2P5-H1F, V3-2P5-H3, V3-401-H3, V3-401-H3F, V3-402-H3, V3-402-H3F, V3-405-H3F, V3-408-H3F, V3-410-H3F, V3-420-H3-C, V3-425-H3, V3-425-H3-C, V3-430-H3, V3-430-H3-C, V3-440-H3, V3-440-H3-C, V3-450-H3, V3-450-H3-C, V3-460-H3, V3-460-H3-C, V3-475-H3, V3-475-H3-C

**Power conversion equipment, "VCM Series"** Model(s) VCM-215-N, VCM-215-P, VCM-220-N, VCM-220-P, VCM-225-N, VCM-225-P, VCM-230-N, VCM-230-P, VCM-240-N, VCM-240-P, VCM-420-N, VCM-420-P, VCM-425-N, VCM-425-P, VCM-430-N, VCM-430-P, VCM-440-N, VCM-440-P, VCM-450-N, VCM-450-P, VCM-460-N, VCM-460-P, VCM-475-N, VCM-475-P

**Power conversion equipment, "ZA Series"** Model(s) ZA-1500-BE, ZA-1850-BE, ZA-2200-BE, ZA-3000-BE, ZA-3700-BE, ZA-4500-BE, ZA-5500-BE

**Power conversion equipment, "ZB Series"** Model(s) ZB-1500-BE, ZB-1850-BE, ZB-2200-BE, ZB-3000-BE, ZB-3700-BE, ZB-4500-BE, ZB-5500-BE

**Power Conversion Equipment** Model(s) 11-301 followed by 0-9, followed by 0-9, followed by 2P5, 201, 202, 203, 401, 402, 403, 405, 408, 410, 415, 420, 425, 430, 440, 450, 460, 475 followed by 0-9, followed by 0-9, maybe followed by XX or blank, where X may be any alphanumeric character.

**Power conversion equipment** Model(s) E51 followed by 0-9 followed by 2P5, 201, 202, 203, 401, 402, 403, 405, 408, 410, 415, 420, 425, 430, 440, 450, 460, 475 followed by SH1F or SH3F, maybe followed by XX or blank, where X may be any alphanumeric character.

F510 followed by 4001, 4002, 4003, 4005, 4008, 4010, 4015, 4020, 4025, 4030, 4040, 4050, 4060, 4075, or 4100 followed by C or H, followed by 3 or blank followed by D, F or blank, followed by N4

**Power Conversion Equipment** Model(s) FSD followed by A2 or E2 followed by 001, 004, 007, 010, 020 or 030 followed by 2 or 23 maybe followed by XXX or blank, where X may be any alphanumeric character or blank

**Power conversion equipment** Model(s) JLEV-101-H1, JLEV-1P2-H1, JLEV-1P5-H1, JLEV-201-H1, JLEV-201-H1F, JLEV-201-H3, JLEV-2P2-H1, JLEV-2P2-H1F, JLEV-2P2-H3, JLEV-2P5-H1, JLEV-2P5-H1F, JLEV-2P5-H3

JNTF, followed by BG followed by BB or BA, followed by -0005, -0020 or -07R50, followed by JK\* or AZ\*.

JNTFBGBA-0005-AX, JNTFBGBA-0010-AX, JNTFBGBA-0015-AX, JNTFBGBA-0020-AX, JNTFBGBA-0025-AX, JNTFBGBA-0030-AX, JNTFBGBA-0040-AX, JNTFBGBA-0050-AX, JNTFBGBA-0060-AX, JNTFBGBA-0075-AX, JNTFBGBA-0100-AX, JNTFBGBA-0125-AX, JNTFBGBA-7R50-AX, JNTFBGBB-0005-AX, JNTFBGBB-0010-AX, JNTFBGBB-0015-AX, JNTFBGBB-0020-AX, JNTFBGBB-0025-AX, JNTFBGBB-0030-AX, JNTFBGBB-0040-AX, JNTFBGBB-0050-AX, JNTFBGBB-0060-AX, JNTFBGBB-0075-AX, JNTFBGBB-0100-AX, JNTFBGBB-0125-AX, JNTFBGBB-7R50-AX, JNTKBCBA-0030-BC\*, JNTKBCBA-0040-BC\*, JNTKBCBA-0040-BE\*, JNTKBCBA-0050-BE\*, JNTKBCBA-0060-BE\*, JNTKBCBA-0075-BE\*, JNTKBCBB-0015-BC\*, JNTKBCBB-0020-BC\*, JNTKBCBB-0020-BE\*, JNTKBCBB-0025-BC\*, JNTKBCBB-0025-BE\*, JNTKBCBB-0030-BE\*, JNTKBGBA-0030-BC\*, JNTKBGBA-0040-BC\*, JNTKBGBA-0040-BE\*, JNTKBGBA-0050-BE\*, JNTKBGBA-0060-BE\*, JNTKBGBA-0075-BE\*, JNTKBGBB-0015-BC\*, JNTKBGBB-0020-BC\*, JNTKBGBB-0020-BE\*, JNTKBGBB-0025-BC\*, JNTKBGBB-0025-BE\*, JNTKBGBB-0030-BE\*, JNTMBGBC-0001-AZ, JNTMBGBC-0001-JK, JNTMBGBC-0020-AZ, JNTMBGBC-0020-JK, JNTMBGBC-7R50-AZ, JNTMBGBC-7R50-JK

JSD followed by followed by M, followed by 22, 32 or 33, followed by A or A3, followed by D, C, T, or blank, maybe followed by XXX or blank, where X may be any alphanumeric character or blank

KE51 followed by 0-9 followed by 2P5, 201, 202, 203, 401, 402, 403, 405, 408, 410, 415, 420, 425, 430, 440, 450, 460, 475 followed by SH1F or SH3F, maybe followed by XX or blank, where X may be any alphanumeric character.

KF510 followed by 4001, 4002, 4003, 4005, 4008, 4010, 4015, 4020, 4025, 4030, 4040, 4050, 4060, 4075, or 4100 followed by C or H, followed by 3 or blank followed by D, F or blank, followed by N4

MA7200-2001-N4, MA7200-2002-N4, MA7200-2003-N4, MA7200-2005-N4, MA7200-2010-N4, MA7200-2015-N4, MA7200-2020-N4, MA7200-27R5-N4, MA7200-4001-N4, MA7200-4002-N4, MA7200-4003-N4, MA7200-4005-N4, MA7200-4010-N4, MA7200-4015-N4, MA7200-4020-N4, MA7200-47R5-N4, PA7300-2005-N1, PA7300-2007-N1, PA7300-2010-N1, PA7300-2015-N1, PA7300-2020-N1, PA7300-4005-N1, PA7300-4007-N1, PA7300-4010-N1, PA7300-4015-N1, PA7300-4020-N1

Series FSD followed by A2 or E2 followed by 001, 004, 007, 010, 020 or 030 followed by 2 or 23 maybe followed by XXX or blank, where X may be any alphanumeric character or blank

SV3-215-H3, SV3-215-H3C, SV3-215-H3L, SV3-220-H3C, SV3-220-H3L, SV3-220H3, SV3-225-H3, SV3-225-H3C, SV3-225-H3L, SV3-230-H3, SV3-230-H3C, SV3-230-H3L, SV3-240-H3, SV3-240-H3C, SV3-240-H3L, SV3-420-H3, SV3-420-H3C, SV3-420-H3L, SV3-425-H3, SV3-425-H3C, SV3-425-H3L, SV3-430-H3, SV3-430-H3C, SV3-430-H3L, SV3-440-H3, SV3-440-H3C, SV3-440-H3L, SV3-450-H3, SV3-450-H3C, SV3-450-H3L, SV3-460-H3, SV3-460-H3C, SV3-460-H3L, SV3-475-H3, SV3-475-H3C, SV3-475-H3L

TST followed by A or AP followed by 10, 15, 20, 25, 30, 35, 50, 75, 100, 150, 200, 300 followed by C, or D, maybe followed by C or blank, maybe followed by XXX or blank, where X may be any alphanumeric character or blank

TST followed by M followed by 22, 32 followed by C or D, followed by D or blank maybe followed by XXX or blank, where X may be any alphanumeric character or blank.

U203N11K0SS, U203N15K0SS, U203N18K0SS, U203N18K5SS, U203N22K0SS, U203N30K0SS, U203N37K0SS, U203N45K0SS, U203N55K0SS, U203X11K0SS, U203X15K0SS, U203X18K0SS, U203X18K5SS, U203X22K0SS, U203X30K0SS, U203X37K0SS, U203X45K0SS, U203X55K0SS

**Power Conversion Equipment, Enclosed or Open Type, "Series A51"** Model(s) A51 followed by 0-9 followed by 2001, 2002, 2003, 2005, 2008, 2010, 2015, 2020, 2025, 2030, 2040, 2050, 2060, 2075, 2100, 2125, 2150, 4001, 4002, 4003, 4005, 4008, 4010, 4015, 4020, 4025, 4030, 4040, 4050, 4060, 4075, 4100, 4125, 4150, 4175, 4215, 4250, 4270, 4300, 4375, 4425, may be followed by S or blank, followed by C, H, C3, H3, E, E3, G, G3 or blank, followed by F, H, O or blank, maybe followed by N1 or blank, maybe followed by XX or blank, where X may be any alphanumeric character or blank

KA51 followed by 0-9 followed by 2001, 2002, 2003, 2005, 2008, 2010, 2015, 2020, 2025, 2030, 2040, 2050, 2060, 2075, 2100, 2125, 2150, 4001, 4002, 4003, 4005, 4008, 4010, 4015, 4020, 4025, 4030, 4040, 4050, 4060, 4075, 4100, 4125, 4150, 4175, 4215, 4250, 4270, 4300, 4375, 4425, may be followed by S or blank, followed by C, H, C3, H3, E, E3, G, G3 or blank, followed by F, H, O or blank, maybe followed by N1 or blank, maybe followed by XX or blank, where X may be any alphanumeric character or blank

**Power Conversion Equipment, Enclosed or Open Type, "Series E51"** Model(s) E51 followed by 0-9 followed by 2P5, 201, 202, 203, 205, 208, 210, 215, 220, 401, 402, 403, 405, 408, 410, 415, 420, 425 followed by H, H1, H3, SH, SH1 or SH3 maybe followed by F, T, or blank, maybe followed by N1, N, NR, NS, N4, N4S, or blank, maybe followed by XX or blank, where X may be any alphanumeric character

KE51 followed by 0-9 followed by 2P5, 201, 202, 203, 205, 208, 210, 215, 220, 401, 402, 403, 405, 408, 410, 415, 420, 425 followed by H, H1, H3, SH, SH1 or SH3 maybe followed by F, T, or blank, maybe followed by N1, N, NR, NS, N4, N4S, or blank, maybe followed by XX or blank, where X may be any alphanumeric character

**Power Conversion Equipment, Enclosed or Open Type, "Series F51"** Model(s) F51 followed by 0-9 followed by 2001, 2002, 2003, 2005, 2008, 2010, 2015, 2020, 2025, 2030, 2040, 2050, 2060, 2075, 2100, 2125, 2150, 2175, 4001, 4002, 4003, 4005, 4008, 4010, 4015, 4020, 4025, 4030, 4040, 4050, 4060, 4075, 4100, 4125, 4150, 4175, 4215, 4250, 4300, 4375, 4425, 4535, 4670, 4800, may be followed by S or blank, followed by C, H, C3, H3, E, E3, G, G3 or blank, followed by F or blank, maybe followed by N1 or blank, maybe followed by XX or blank, where X may be any alphanumeric character or blank

KF51 followed by 0-9 followed by 2001, 2002, 2003, 2005, 2008, 2010, 2015, 2020, 2025, 2030, 2040, 2050, 2060, 2075, 2100, 2125, 2150, 2175, 4001, 4002, 4003, 4005, 4008, 4010, 4015, 4020, 4025, 4030, 4040, 4050, 4060, 4075, 4100, 4125, 4150, 4175, 4215, 4250, 4300, 4375, 4425, 4535, 4670, 4800, may be followed by S or blank, followed by C, H, C3, H3, E, E3, G, G3 or blank, followed by F or blank, maybe followed by N1 or blank, maybe followed by XX or blank, where X may be any alphanumeric character or blank

**Power Conversion Equipment, Enclosed or Open Type, "Series FID"** Model(s) FID(d)

**Power Conversion Equipment, Enclosed or Open Type, "Type 4X (Indoor Use Only), Series E51"** Model(s) E51 or KE51 followed by 0-9 followed by 2P5, 201, 202, 203, 205, 208, 210, 215, 220, 401, 402, 403, 405, 408, 410, 415, 420, 425 followed by H, H1, H3, SH, SH1 or SH3 maybe followed by F or blank, maybe followed by N4 or N4R maybe followed by XX or blank, where X may be any alphanumeric character

**Power Conversion Equipment, Enclosed or Open Type** Model(s) PE51 followed by 0-9 followed by 2P5, 201, 202, 203, 205, 208, 210, 215, 220, 401, 402, 403, 405, 408, 410, 415, 420, 425 followed by H, H1 or H3, maybe followed by F or blank, maybe followed by N1 or blank, maybe followed by XX or blank, where X may be any alphanumeric character.

**Power Conversion Equipment, Enclosed or Open Type Models, "11-202 SERIES"** Model(s) 11 - 202 followed by 43 followed by 03P4, 04P1, 05P4, 0006, 06P9, 09P2, 12P1, 17P5, 0023, 0031, 038S, 0038, 0044, 0058, 0073, 0088, 0103, 145S, 0145, 0168, 208S, 0208, 0250, 0296, 0328, 0370, 0435, 0515, 0585, S585, 0700, 0875 or 0960 followed by A, F or E, followed by F, E, G or blank, followed by XX or blank, where X may be any alphanumeric character.

**Power Conversion Equipment, Enclosed or Open Type Models, "11-202 SERIES"** Model(s) 11-202 SERIES followed by 20 or 23 followed by, 0005, 05P4, 0006, 07P5, 09P6, 10P6, 0012, 14P5, 0020, 030S, 0030, 0042, 0056, 0069, 0080, 0110, 0138, 0169, 0200, 0250, 0312, 0400 or 0450 followed by A, F or E, followed by F, E, G or blank, followed by XX or blank, where X may be any



alphanumeric character.

**Power Conversion Equipment, Enclosed Type, "Series FID" Model(s) FID(e)**

**Power Conversion Equipment, Open Type, Model(s)** L510 followed by 1P2, 1P5, 101, 2P2, 2P5, 201, 202 and 203 followed by H1 or H3 maybe followed by F or blank, followed by P or N, maybe followed by XX or blank, maybe where X may be any alphanumeric character or blank.

**Power conversion equipments, "N31 Series" Model(s)** N31 followed by 0-9, followed by 2015, 2020, 2025, 2030, 2040, 4020, 4025, 4030, 4040, 4050, 4060 or 4075, followed by H3 or H3X, followed by C or Blank.

**Types 4X, indoor use only Model(s)** 2708, 2711, 2713, 2718, 2721, 2723, 2762, 2765, 2770, 2772, 2799, 2801, 2803, DFE23-0265ES, DFE23-0865ES, DFE23-1065ES, DFE43-0465ES, DFE43-0865ES, DFE43-1065ES, E2-101-H1N4, E2-101-H1N4S, E2-1P2-H1N4, E2-1P5-H1N4, E2-1P5-H1N4S, E2-202-H1FN4, E2-202-HN4S, E2-203-H1FN4, E2-203-HN4, E2-203-HN4S, E2-401-H3FN4S, E2-401-H3N4, E2-401-H3N4S, E2-402-H3FN4, E2-402-H3N4S, E2-403-H3FN4, E2-403-H3FN4S, E2-403-H3N4, E2-403-H3N4S, FM50-101-N4, FM50-1P2-N4, FM50-1P5-N4, FM50-201-N4F, FM50-201-N4FS, FM50-202-N4, FM50-202-N4F, FM50-202-N4FS, FM50-203-N4, FM50-203-N4F, FM50-203-N4FS, FM50-2P2-N4F, FM50-2P2-N4FS, FM50-2P5-N4, FM50-2P5-N4F, FM50-2P5-N4FS, FM50-401-N4, FM50-401-N4F, FM50-401-N4FS, FM50-401-N4S, FM50-402-N4, FM50-402-N4F, FM50-402-N4FS, FM50-402-N4S, FM50-403-N4, FM50-403-N4F, FM50-403-N4FS, FM50-403-N4S, FUWTG0002S4IP65, FUWTG0002S4IP65S, FUWTG0004S4IP65, FUWTG0007H4IP65S, FUWTG0007S4IP65S, FUWTG0015S4IP65, FUWTG0015S4IP65S, FUWTG0022H4IP65S, FUWTG0022S4IP65, FUWTG0022S4IP65S, FUWTG004S4IP65S, FUWTG007S4IP65, KBE2-1101-4, KBE2-1101-4S, KBE2-1125-4, KBE2-1125-4S, KBE2-1150-4, KBE2-1150-4S, KBE2-2101-4, KBE2-2101-4F, KBE2-2101-4SF, KBE2-2125-4, KBE2-2125-4F, KBE2-2125-4SF, KBE2-2150-4, KBE2-2150-4F, KBE2-2150-4SF, KBE2-2202-4, KBE2-2202-4F, KBE2-2202-4S, KBE2-2202-4S-F, KBE2-2203-4, KBE2-2203-4F, KBE2-2203-4S, KBE2-2203-4S-F, KBE2-2203-4SF, KBE2-4301-4, KBE2-4301-4SF, KBE2-4301-F, KBE2-4301-S, KBE2-4302-4F, KBE2-4302-4S, KBE2-4302-4SF, KBE2-4303-4, KBE2-4303-4F, KBE2-4303-4S, KBE2-4303-4SF, ME2-101-H1N4, ME2-101-H1N4S, ME2-1P2-H1N4, ME2-1P2-H1N4S, ME2-1P5-H1N4, ME2-1P5-H1N4S, ME2-202-H1FN4, ME2-202-H1FN4S, ME2-202-HN4, ME2-203-H1FN4, ME2-203-HN4, ME2-401-H3FN4, ME2-401-H3FN4S, ME2-401-H3N4, ME2-402-H3FN4, ME2-403-H3FN4, ME2-403-H3FN4S, ME2-403-H3N4, MSD-101-H1N4, MSD-101-H1N4S, MSD-1P2-H1N4, MSD-1P2-H1N4S, MSD-1P5-H1N4, MSD-1P5-H1N4S, MSD-201-H1N4S, MSD-202-H1FN4S, MSD-202-HN4, MSD-202-HN4S, MSD-203-H1FN4, MSD-203-H1FN4S, MSD-203-HN4S, MSD-2P2-H1N4, MSD-2P2-H1N4S, MSD-2P5-H1N4, MSD-2P5-H1N4S, MSD-401-H3FN4, MSD-401-H3N4S, MSD-402-H3FN4, MSD-402-H3FN4S, MSD-402-H3N4, MSD-402-H3N4S, MSD-403-H3FN4, MSD-403-H3FN4S, MSD-403-H3N4, SYN10S11501IP65, SYN10S11503IP65, SYN10S11505IP65, SYN10S22001AFIP65, SYN10S22001AFIP65S, SYN10S22003AFIP65, SYN10S22003AFIP65S, SYN10S22005AFIP65, SYN10S22005AFIP65S, SYN10S22007AFIP65, SYN10S22007AFIP65S, SYN10S22009AFIP65, SYN10S22009AFIP65S, SYN10S40005AFIP6, SYN10S40005AFIP6S, SYN10S40007AFIP65, SYN10S40007AFIP65S, SYN10S40009AFIP65, SYN10S40009AFIP65S, U20N1K5P, U20N1K5PS, U20N2K2P, U20N2K2PS, U20X0K7P, U20X1K5P, U20X2K2P, U20X2K2PS

## **Investigated to ANSI/UL 508C (3rd ed.)**

**Open types, "ZA Series" Model(s)** ZA-0040-AC, ZA-0040-BE, ZA-0075-AC, ZA-0075-BE, ZA-0150-BE

## **Investigated to ANSI/UL 508C (4th ed.)**

**Power Conversion Equipment, "11-203" Model(s)** Models 11-203 followed by 11, 20, 23 or 43, followed by 1P2, 1P5, 101, 2P2, 2P5, 2P7, 201, 202, 203, 205, 208, 210, 401, 402, 403, 405, 408, 410, or 415, may be followed by F, may be followed by P or N, may be followed by any alphanumeric suffix.

**Power Conversion Equipment, "Series 11-202" Model(s)** 11-202 followed by 63 followed by 0019, 0022, 0027, 0034, 0042, 0052, 0062, 0080, 0099, 0125, 0147, 0163, 0212, 0216 or 0246, followed by A or F followed by E, G or blank, followed by XX or blank, where X may be any alphanumeric character.

**Power Conversion Equipment Model(s)** 11-201 followed by 0-9, followed by 0-9, followed by 2P5, 201, 202, 203, 205, 208, 210, 215, 220, 401, 402, 403, 405, 408, 410, 415, 420, 425 followed by 06, maybe followed by XX or blank, where X may be any alphanumeric character

11-202 followed by 53 followed by 01P7, 0003, 04P2, 05P8, 08P8, 12P2 or 14P5 followed by A or F followed by E, G or blank, followed by N1 or blank, where X may be any alphanumeric character.

11-301 followed by 0-9, followed by 0-9, followed by 2P5, 201, 202, 203, 401, 402, 403, 405, 408, 410, 415, followed by 36, followed by S, or blank maybe followed by XX or blank, where X may be any alphanumeric character.

21-202 followed by 20, 23 followed by 010, 015, 020, 030, 050, or 075, followed by 000, may be followed by A, maybe followed by XXX or blank, where X may be any alphanumeric character or blank.

A51 followed by 0-9, followed by F or blank, follow by 5001, 5002, 5003, 5005, 5008, 5010, 5015, 6015, 6020, 6025, 4030, 6040, 6050, 6060, 6075, 6100, 6125, 6150, 6175, 6215, 6250, 6270, 63006335, followed by H3 or C3, followed by F or blank, maybe followed by N1 or blank, maybe followed by XX or blank, where X may be any alphanumeric character or blank.

E51 or KE51 followed by 0-9 followed by 2P5, 201, 202, 203, 205, 208, 210, 215, 220, 401, 402, 403, 405, 408, 410, 415, followed by SH1 or SH3 maybe followed by F or blank, maybe followed by N4 or N4S maybe followed by XX or blank, where X may be any alphanumeric character.

& - followed by N0000, N0100, N0200, N0300, N0500, N0700, N1000, N1500, N2000 or N3000 maybe followed by XXX or blank, where X may be any alphanumeric character or blank.

(c) - followed by N1 followed by, followed by 150, 185, 220, 300, 370, 450 or 550, followed by 43X May be followed by C or Blank

(d) - followed by E2 followed by 004, 007, 015, 022, 037, 055, 075, 110, 150 and 185 followed by 21 or 43, maybe followed by N1 or blank

(e) - followed by N1, followed by 004, 007, 015, 022, 037, 055, 075 and 110 followed by 2AX, 2ASX, 43X and 43SX

(f) - Maybe followed by XX or blank, where X may be any alphanumeric character or blank.

\* - Followed by XXX or blank, where X may be any alphanumeric character or blank.

Note - All models (or Series) may be followed by additional numbers and/or letters.

Last Updated on 2020-08-31

---

The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Certified and covered under UL's Follow-Up Service. Always look for the Mark on the product.

UL permits the reproduction of the material contained in the Online Certification Directory subject to the following conditions: 1. The Guide Information, Assemblies, Constructions, Designs, Systems, and/or Certifications (files) must be presented in their entirety and in a non-misleading manner, without any manipulation of the data (or drawings). 2. The statement "Reprinted from the Online Certifications Directory with permission from UL" must appear adjacent to the extracted material. In addition, the reprinted material must include a copyright notice in the following format: "© 2022 UL LLC"