

Certification Record

CUSTOMER	CLASS	FILE
Emerson Network Power Co., Ltd. No 1 Kefa Rd Science & Industry Park Nanshan District Shenzhen Guangdong 518057 China	<u>5311-06</u> POWER SUPPLIES-COMPONENT TYPE-(CSA 60950-00)	114148_0_000
Refer to Class Description for program details		

- Component type power supply intended for use with Information Technology and Business Equipment, where the suitability of the combination is to be determined by CSA International.

CATEGORIES:

- Non-Isolating Type DC-DC Converters.

Note: The model numbers listed below are products manufactured. The list is not necessarily up to date since additional models may be added at any time that is within the scope of the category listed above.

THE FOLLOWING MODELS ARE CERTIFIED TO CSA C22.2 NO 60950-00.

Model	Level	Input	Output
HG20-24S03, AV20-24S03, AET04F24	3	18-36 V dc, 950 mA	+3.3 V dc, 4 A
HG20-24S05, AV20-24S05, AET04A24	3	18-36 V dc, 1400 mA	+5 V dc, 4 A
HG20-24S12, AV20-24S12, AET02B24	3	18-36 V dc, 1300 mA	+12 V dc, 1.67 A
HG20-24S15, AV20-24S15, AET01C24	3	18-36 V dc, 1300 mA	+15 V dc, 1.33 A
HG20-24D05, AV20-24D05, AET02AA24	3	18-36 V dc, 1400 mA	+5 V dc, 2 A; -5 V dc, 2 A
HG20-24D12, AV20-24D12, AET02BB24	3	18-36 V dc, 1300 mA	+12 V dc, 0.84 A; -12 V dc, 0.84 A
HG20-24D15, AV20-24D15, AET01CC24	3	18-36 V dc, 1300 mA	+15 V dc, 0.67 A; -15 V dc, 0.67 A
HG20-48S03, AV20-48S03, AET04F48	3	36-72 V dc, 480 mA	+3.3 V dc, 4 A
HG20-48S05, AV20-48S05, AET04A48	3	36-72 V dc, 680 mA	+5 V dc, 4 A
HG20-48S10, AV20-48S10	3	36-72 V dc, 660 mA	+10 V dc, 2 A
HG20-48S12, AV20-48S12, AET02B48	3	36-72 V dc, 630 mA	+12 V dc, 1.67 A
HG20-48S15, AV20-48S15 AET01C48	3	36-72 V dc, 630 mA	+15 V dc, 1.33 A
HG20-48D05, AV20-48D05,	3	36-72 V dc, 680 mA	+5 V dc, 2 A;

AET02AA48			-5 V dc, 2 A
HG20-48D12, AV20-48D12, AET01BB48	3	36-72 V dc, 630 mA	+12 V dc, 0.84 A; -12 V dc, 0.84 A
HG20-48D15, AV20-48D15, AET01CC48	3	36-72 V dc, 630 mA	+15 V dc, 0.67 A; -15 V dc, 0.67 A
HG25-24S03, AV25-24S03, AEV05F24	3	18-36 V dc, 1130 mA	+3.3 V dc, 5 A
HG25-24S05, AV25-24S05, AEV04A24	3	18-36 V dc, 1350 mA	+5 V dc, 4 A
HG25-24S12, AV25-24S12, AEV02B24	3	18-36 V dc, 1620 mA	+12 V dc, 2.1 A
HG25-24S15, AV25-24S15, AEV02C24	3	18-36 V dc, 1600 mA	+15 V dc, 1.7 A
HG25-24D05, AV25-24D05, AEV02AA24	3	18-36 V dc, 1310 mA	+5 V dc, 2 A; -5 V dc, 2 A
HG25-24D12, AV25-24D12, AEV01BB24	3	18-36 V dc, 1600 mA	+12 V dc, 1.05 A; -12 V dc, 1.05 A
HG25-24D15, AV25-24D15	3	18-36 V dc, 1560 mA	+15 V dc, 0.85 A -15 V dc, 0.85 A
HG25-48S03, AV25-48S03, AEV05F48	3	36-72 V dc, 560 mA	+3.3 V dc, 5 A
HG25-48S05, AV25-48S05, AEV04F48	3	36-72 V dc, 650 mA	+5 V dc, 4 A
HG25-48S06, AV25-48S06, AEV04N48	3	36-72 V dc, 820 mA	+6 V dc, 4.1 A
HG25-48S12, AV25-48S12, AEV0B48	3	36-72 V dc, 810 mA	+12 V dc, 2.1 A
HG25-48S15, AV25-48S15, AEV02C48	3	36-72 V dc, 800 mA	+15 V dc, 1.7 A
HG25-48D05, AV25-48D05, AEV02AA48	3	36-72 V dc, 640 mA	+5 V dc, 2 A; -5 V dc, 2 A
HG25-48D12, AV25-48D12, AEV01BB48	3	36-72 V dc, 770 mA	+12 V dc, 1.05 A; -12 V dc, 1.05 A
HG25-48D15, AV25-48D15, AEV01CC48	3	36-72 V dc, 760 mA	+15 V dc, 0.85 A; -15 V dc, 0.85 A

Notes:

- a. Notes 1 and 2.
- b. The HG20 and AV20 series models may be suffixed by -DHE where D may be null, 6 or 8, H may be null or H, E may be null or N.
- c. The AET and AEV series models may be suffixed by ETP, where E may be null, N, 1 or 4, T may be null or 9, P may be 6, 7 or 8.

Model	Level	Input	Output
AM10-05S03-N, AVN10-05S03, AD10-103, AER03G05N	3	4.5-5.5 V dc, 2.5 A	+3.3 V dc, 3 A
AM10-05S2V5-N, AVN10-05S2V5, AER03F05N	3	4.5-5.5 V dc, 2 A	+2.5 V dc, 3 A

AVS10-05S03, 1M05S3.3	3	4.5-5.5 V dc, 2.2 A	+3.1 V dc, 2.8 A
AVN20-3V3S05, APA04A03	3	3-4 V dc, 7.8 A	+5 V dc, 4 A
AVN20-05S1V2	3	4.5-5.5 V dc, 2.1 A	+1.2 V dc, 6 A
AVN20-05S1V5	3	4.5-5.5 V dc, 2.5 A	+1.5 V dc, 6 A
AVN20-05S1V8	3	4.5-5.5 V dc, 2.9 A	+1.8 V dc, 6 A
AVN20-05S2V1	3	4.5-5.5 V dc, 3.3 A	+2.1 V dc, 6 A
AVN20-05S2V5	3	4.5-5.5 V dc, 3.8 A	+2.5 V dc, 6 A
AVN20-05S3V3	3	4.5-5.5 V dc, 4.9 A	+3.3 V dc, 6 A
AVE50-48S2V5, AEH10G48	3	36-75 V dc, 850 mA	+2.5 V dc, 10 A
AVE50-48S03, AVE50-48S03P-L18, AEH01F48	3	36-75 V dc, 1100 mA	+3.3 V dc, 10 A
AVE50-48S05, AEH10A48	3	36-75 V dc, 1650 mA	+5 V dc, 10 A
AVE75-48S2V5, AEH15G48	3	36-75 V dc, 1300 mA	+2.5 V dc, 15 A
AVE75-48S03, AEH15F48	3	36-75 V dc, 1650 mA	+3.3 V dc, 15 A
AVE75-48S05, AEH15A48	3	36-75 V dc, 2450 mA	+5 V dc, 15 A
AVE100-48S2V5, AEH20G48	3	36-75 V dc, 1700 mA	+2.5 V dc, 20 A
AVE100-48S03, AEH20F48	3	36-75 V dc, 2200 mA	+3.3 V dc, 20 A
AVE100-48S05, AEH20A48	3	36-75 V dc, 3200 mA	+5 V dc, 20 A
AVE150-48S2V5, AEH30G48	3	36-75 V dc, 2600 mA	+2.5 V dc, 30 A
AVE150-48S03, AEH30F48, AVE150-48503/HW	3	36-75 V dc, 3300 mA	+3.3 V dc, 30 A
AVE150-48S05, AEH30A48	3	36-75 V dc, 4900 mA	+5 V dc, 30 A
AVE150-48S1V5, AEH30M48	3	36-75 V dc, 1.75 A	+1.5 V dc, 30 A
AVE150-48S1V8, AEH30Y48	3	36-75 V dc, 2.1 A	+1.8 V dc, 30 A

Notes:

- a. Notes 1 and 2.
- b. The above models may be suffixed by P-D and/or X,Y,Z, where P may be null, N or P, D may be null, 2, 4, 6, 7 or 8, X, Y, Z may be any ASCII character code.

Model	Level	Input	Output
AVN20-03S1V2	3	3.0-3.6 V dc, 3.2 A	+1.2 V dc, 6 A

AVN20-03S1V5	3	3.0-3.6 V dc, 3.8 A	+1.5 V dc, 6 A
AVN20-03S1V8	3	3.0-3.6 V dc, 4.4 A	+1.8 V dc, 6A
AVN20-03S2V1	3	3.0-3.6 V dc, 5.0 A	+2.1 V dc, 6 A

Model	Level	Input	Output
AVH50-48S03, AV60C-048L-033F10	3	36-75 V dc, 1150 mA	+3.3 V dc, 10 A
AVH50-48S05, AV60C-048L-050F10	3	36-75 V dc, 1700 mA	+5 V dc, 10 A
AVH50-48S24	3	36-75 V dc, 1700 mA	+24 V dc, 2.1 A
AVH75-48S03, AV60C-048L-033F15	3	36-75 V dc, 1800 mA	+3.3 V dc, 15 A
AVH75-48S05, AV60C-048L-050F15	3	36-75 V dc, 2550 mA	+5 V dc, 15 A
AVH75-48S24	3	36-75 V dc, 2550 mA	+24 V dc, 3.1 A
AVH75-48S28	3	36-75 V dc, 2550 mA	+28 V dc, 2.7 A
AVH100-48S03, AV60C-048L-033F20	3	36-75 V dc, 2300 mA	+3.3 V dc, 20 A
AVH100-48S05, AV60C-048L-050F20	3	36-75 V dc, 3350 mA	+5 V dc, 20 A
AVH100-48S24	3	36-75 V dc, 3300 mA	+24 V dc, 4.2 A
AVH150-48S03, AV60C-048L-033F30	3	36-75 V dc, 3500 mA	+3.3 V dc, 30 A
AVH150-48S05, AV60C-048L-050F30	3	36-75 V dc, 4950 mA	+5 V dc, 30 A
AVH150-48S24	3	36-75 V dc, 4850 mA	+24 V dc, 6.3 A
AVH150-48S28	3	36-75 V dc, 4850 mA	+28 V dc, 5.4 A
AVH75-48D0302, AV60A-048L-033D025	3	36-75 V dc, 1850 mA	V1= +3.3 V dc, 1.5-15 A; V2= +2.5 V dc, 15-0 A
AVH75-48D0503, AV60A-048L-050D033, AA60A-048L-050D033	3	36-75 V dc, 2700 mA	V1= +5 V dc, 0.5-15 A; V2= +3.3 V dc, 15-0 A
AVH75-48D031V8	3	36-75 V dc, 1850 mA	V1= +5 V dc, 1.5-15 A; V2= +1.8 V dc, 15-0A
AVH75-24D031V8	3	18-36 V dc, 3700 mA	V1= +3.3 V dc, 1.5-15 A; V2= +1.8 V dc, 15-0 A

Notes:

- a. Notes 1, 2 and 3.
- b. The above models may be suffixed by P-D, where P may be null, N or P, D may be null, 2, 4, 6, 7 or 8.

Model	Level	Input	Output
AVH30-48S03, AV60C-048L-033F06	3	36-75 V dc, 0.75 A	+3.3 V dc, 6.5 A
AVH30-48S05, AV60C-048L-050F06	3	36-75 V dc, 1.0 A	+5.0 V dc, 6.0 A

Notes:

- a. Notes 1 and 2.
- b. The above models may be suffixed by P-D, where P may be null, N or P, D may be null, 2, 4, 6, 7 or 8.

Model	Level	Input	Output
AVE50-24S2V5, AEH10G24	3	18-36 V dc, 1.7 A	+2.5 V dc, 10 A
AVE50-24S03, AEH10F24	3	18-36 V dc, 2.2 A	+3.3 V dc, 10 A
AVE50-24S05, AEH10A24	3	18-36 V dc, 3.3 A	+5.0 V dc, 10 A
AVE75-24S2V5	3	18-36 V dc, 2.6 A	+2.5 V dc, 15 A
AVE75-24S03	3	18-36 V dc, 3.3 A	+3.3 V dc, 15 A
AVE75-24S05	3	18-36 V dc, 4.9 A	+5.0 V dc, 15 A
AVE100-24S2V5, AEH20G24	3	18-36 V dc, 3.4 A	+2.5 V dc, 20 A
AVE100-24S03, AEH20F24	3	18-36 V dc, 4.4 A	+3.3 V dc, 20 A
AVE100-24S05, AEH20A24	3	18-36 V dc, 6.5 A	+5.0 V dc, 20 A
AVE150-24S1V5	3	18-36 V dc, 3.2 A	+1.5 V dc, 30 A
AVE150-24S1V8	3	18-36 V dc, 3.7 A	+1.8 V dc, 30 A
AVE200-48S2V5	3	36-72 V dc, 3.6 A	+2.5 V dc, 40 A
AVE200-48S03	3	36-72 V dc, 4.5 A	+3.3 V dc, 40 A

Notes:

- a. Notes 1, 2 and 3.
- b. The above models may be suffixed by P-D, where P may be null, N or P, D may be null, 2, 4, 6, 7 or 8.

Model	Level	Input	Output
AVS25-48D0503	3	36-75 V dc, 0.9 A	V1: +5.0 V dc, 2.5 A V2: +3.3 V dc, 2.5 A
AVN40-05S1V5, APE12M05	3	4.5-5.5 V dc, 5.0 A	+1.5 V dc, 12 A

Notes:

- a. Notes 1 and 2.
- b. The above models may be suffixed by ETP, where E may be null, N, 1 or 4, T may be null or 9, P may be 6, 7 or 8.

Model	Level	Input	Output
AG15-48S2V5, AEE04G48	3	36-75 V dc, 0.5 A	+2.5 V dc, 4.5 A

AG15-48S03, AEE04F48	3	36-75 V dc, 0.5 A	+3.3 V dc, 4.5 A
AG15-48S05, AEE03A48	3	36-75 V dc, 0.5 A	+5.0 V dc, 3.0 A
AG15-48S12, AEE01B48	3	36-75 V dc, 0.5 A	+12.0 V dc, 1.25 A
AG15-24S03, AEE04F24	3	18-36 V dc, 1.0 A	+3.3 V dc, 4.5 A
AG15-48D12, AEE01BB48	3	36-75 V dc, 0.5 A	+/- 12.0 V dc, 0.62 A
AG15-48D15	3	36-75 V dc, 0.5 A	+/- 15.0 V dc, 0.5 A
AVS10-48D05	3	36-75 V dc, 0.4 A	+/- 5.0 V dc, 1.0 A
AG15-24D15	3	18-36 V dc, 1.0 A	+/- 15.0 V dc, 0.5 A

Notes:

- a. Notes 1 and 2.
- b. The above models may be suffixed by PTL, where P may be null, P, N, 1 or 4, T may be null, T or 9, L may be S, L, 6, 7 or 8.

Model	Level	Input	Output
AV30-24T0512 AV30-24T0512/F AEW05ABB24	3	18-35 V dc, 2.1 A	+5 V dc, 1-5 A, +12 V dc, 1-0.2 A, -12 V dc, 1-0.2 A
AV30-24T0515 AV30-24T0515/F AEW05ACC24	3	18-36 V dc, 2.1 A	+5 V dc, 1-5 A, +15 V dc, 0.8-0.16 A, -15 V dc, 0.8-0.16 A
AV30-48T0512 AV30-48T0512/F AEW05ABB48	3	36-72 V dc, 1.1 A	+5 V dc, 1-5 A, +12 V dc, 1-0.2 A, -12 V dc, 1-0.2 A
AV30-48T0515 AV30-48T0515/F AEW05ACC48	3	36-72 V dc, 1.1 A	+5 V dc, 1-5 A, +15 V dc, 0.8-0.16 A, -15 V dc, 0.8-0.16 A

Notes:

- a. Notes 1 and 2.
- b. The AV30 series models may be suffixed by /F, where F may be null or F. The AEW05A series models may be suffixed by ETP, where E may be null, N, 1 or 4, T may be null or 9, P may be 6, 7 or 8.

Model	Level	Input	Output
HM48S27/1800	5	40-60 V dc, 55 A	+27 V dc, 65 A
G1E2465/5D/9KW	5	40-60 V dc, 275 A	+27 V dc, 325 A

Notes: Notes 1 and 2.

Model	Level	Input	Output
AVQ100-48S1V5, AV45C-048L- 015F20HA	3	36-75 V dc, 1.1 A	+1.5 V dc, 20 As
AVQ100-48S1V8,	3	36-75 V dc, 1.25 A	+1.8 V dc, 20 A

AV45C-048L-018F20HA			
AVQ100-48S3V3, AV45C-048L-033F20HA	3	36-75 V dc, 2.1 A	+3.3 V dc, 20 A
AVQ100-48S05, AV45C-048L-050F20HA	3	36-75 V dc, 3.3 A	+5.0 V dc, 20 A

Notes:

- a. Notes 1, 2 and 3.
- b. The above models may be suffixed by P-D, where P may be null, N or P, D may be null, 2, 4, 6, 7 or 8.

Model	Level	Input	Output
AVN20B-04S2V5, APA06G04	3	3.0-5.5 V dc, 5.7 A	+2.5 V dc, 6.0 A
AVN20B-04SV1, APA06D04	3	3.0-5.5 V dc, 4.9 A	+2.1 V dc, 6.0 A
AVN20B-04S1V8, APA06Y04	3	3.0-5.5 V dc, 4.4 A	+1.8 V dc, 6.0 A
AVN20B-04S1V5, APA06M04	3	3.0-5.5 V dc, 3.7 A	+1.5 V dc, 6.0 A
AVN20B-04S1V2, APA06K04	3	3.0-5.5 V dc, 3.2 A	+1.2 V dc, 6.0 A
AVN20B-05S2V5, APA06G05	3	4.5-5.5 V dc, 3.9 A	+2.5 V dc, 6.0 A
AVN20B-05S3V3, APA06F05	3	4.5-5.5 V dc, 5.1 A	+3.3 V dc, 6.0 A
AVN20B-3V3S05, APA04A03	3	3.0-4.0 V dc, 8 A	+5.0 V dc, 4.0 A

Notes:

1. Notes 1 and 2.
2. The AVN20B Series models may be suffixed by ERD, where E may be null, E or -E, R may be null, R or -R, D may be null, 6 or -06.
3. The APA06 Series models may be suffixed by ETP, where E may be null, E, 1 or 4, T may be null or 9, P may be 6, 7 or 8.

Model	Level	Input	Output
AV30-24D05, AEW03AA24	3	18-36 V dc, 2 A	±5 V dc, ±3.0 A
AV30-24D12, AEW01BB24	3	18-36 V dc, 2 A	±12 V dc, ±1.25 A
AV30-24D15, AEW01CC24	3	18-36 V dc, 2 A	±15 V dc, ±1 A
AV30-48D05, AEW03AA48	3	36-72 V dc, 1 A	±5 V dc, ±3 A
AV30-48D12, AEW01BB48	3	36-72 V dc, 1 A	±12 V dc, ±1.25 A
AV30-48D15, AEW01CC48	3	36-72 V dc, 1 A	±15 V dc, ±1 A

Notes:

- a. Notes 1 and 2.
- b. The above models may be suffixed by ETP, where E may be null, N, 1 or 4, T may be null or 9, P may be 6, 7 or 8.

Model	Level	Input	Output
AW30-48S05, HM48S05/25-4	3	36-72 V dc, 0.8 A	+5.0 V dc, 5 A
AW30-48S08, HG848S08/30-4	3	36-72 V dc, 0.8 A	+8.0 V dc, 3 A
AW30-48S12, HM48S12/30-4	3	36-72 V dc, 1.0 A	+12.0 V dc, 2.5 A
AW30-24S05, HM24S05/25-4	3	18-36 V dc, 1.7 A	+5.0 V dc, 5 A
AW30-24S08, HG824S05/30-4	3	18-36 V dc, 1.7 A	+8.0 V dc, 3 A
AW30-24S12, HM24S12/30-4	3	18-36 V dc, 1.9 A	+12.0 V dc, 2.5 A

Notes: 1 and 2.

Model	Level	Input	Output
HM48S05/50-4, HM48S05/50-5	3	36-72 V dc, 1.7 A	+5 V dc, 10.0 A
HM48S12/60-4	3	36-72 V dc, 1.9 A	+12 V dc, 5.0 A

Notes: 1 and 2.

Model	Level	Input	Output
AV10-48S96	1	36-72 V dc, 0.4 A	96 V dc, 0.1 A
AVS15-48S70	1	36-75 V dc, 0.5 A	70 V dc, 0.21 A
AVS50-48S96	1	36-72 V dc, 0.5 A	96 V dc, 0.52 A

Notes:

- a. Notes 1 and 2.
- b. The output voltages exceed SELV Limits, and the output terminals are accessible.

Model	Level	Input	Output
HM48S24/700	5	40-60 V dc, 20 A	+26.7 V dc, 25 A

Notes: 1 and 2.

Model	Level	Input	Output
HGR0U3	3	40-60 V dc, 1.1 A	+5 V dc/5 A - 1 A, ±12 V dc/0.2 A - 1 A

Notes: 1 and 2.

Model	Level	Input	Output
AV10-48S05, AEE02A48	3	36-72 V dc, 370 mA	+5 V dc, 2 A
HG10-48S5V2, AV10-48S5V2, AEE02A48-5V2	3	36-72 V dc, 400 mA	+5.2 V dc, 2 A
HG10-48S08, AV10-48S08, AEE01L48	3	36-72 V dc, 380 mA	+8 V dc, 1.25 A
AV10-48S12, AEE00B48	3	36-72 V dc, 350 mA	+12 V dc, 0.84 A
AV10-48S15, AEE00C48	3	36-72 V dc, 350 mA	+15 V dc, 0.68 A
AV10-48D12, AEE00BB48	3	36-72 V dc, 350 mA	+12 V dc, 0.42 A; -12 V dc, 0.42 A
HG10-48S03, AV10-48S03, AEE02F48	3	36-72 V dc, 300 mA	+3.3 V dc, 2.55 A
HG10-48S05	3	36-72 V dc, 370 mA	+5 V dc, 2 A
HG10-48S12	3	36-72 V dc, 350 mA	+12 V dc, 0.84 A
HG10-48S15	3	36-72 V dc, 350 mA	+15 V dc, 0.68 A
HG10-48D12	3	36-72 V dc, 0.5 A	±12 V dc, 0.42 A
HG10-48D05, AV10-48D05, AEE01AA48	3	36-72 V dc, 370 mA	+5 V dc, 1 A; -5 V dc, 1 A
HG10-48D15, AV10-48D15, AEE00CC48	3	36-72 V dc, 330 mA	+15 V dc, 0.33 A -15 V dc, 0.33 A
HG10-24S03, AV10-24S03, AEE02F24	3	18-36 V dc, 640 mA	+3.3 V dc, 2.5 A
HG10-24S05, AV10-24S05, AEE02A24	3	18-36 V dc, 700 mA	+5 V dc, 2.0 A
HG10-24S08, AV10-24S08, AEE01L24	3	18-36 V dc, 720 mA	+8 V dc, 1.25 A
HG10-24S12, AV10-24S12, AEE00B24	3	18-36 V dc, 700 mA	+12 V dc, 0.84 A
HG10-24S15, AV10-24S15, AEE00C24	3	18-36 V dc, 680 mA	+15 V dc, 0.67 A
HG10-24D05, AV10-24D05, AEE01AA24	3	18-36 V dc, 730 mA	+5 V dc, 1.0 A; -5 V dc, 1.0 A
HG10-24D12, AV10-24D12, AEE00BB24	3	18-36 V dc, 660 mA	+12 V dc, 0.42 A -12 V dc, 0.42 A
HG10-24D15, AV10-24D15, AEE00CC24	3	18-36 V dc, 680 mA	+15 V dc, 0.33 A -15 V dc, 0.33 A
HG10-12S03, AV10-12S03, AEE02F12	3	9-18 V dc, 1250 mA	+3.3 V dc, 2.5 A
HG10-12S05, AV10-12S05, AEE02A12	3	9-18 V dc, 1400 mA	+5 V dc, 2 A
HG10-12S12, AV10-12S12, AEE001312	3	9-18 V dc, 1400 mA	+12 V dc, 0.84 A
HG10-12S15, AV10-12S15, AEE00C12	3	9-18 V dc, 1400 mA	+15 V dc, 0.67 A
HG10-12D05, AV10-12D05, AEE01AA12	3	9-18 V dc, 1400 mA	+5 V dc, 1A; -5 V dc, 1 A
HG10-12D12, AV10-12D12, AEE00BB12	3	9-18 V dc, 1400 mA	+12 V dc, 0.42 A; -12 V dc, 0.42 A
HG10-12D15, AV10-12D15, AEE00CC12	3	9-18 V dc, 1400 mA	+15 V dc, 0.34 A; -15 V dc, 0.34 A

Notes:

- a. Notes 1 and 2.
- b. The above models may be suffixed by ETP, where E may be null, /C, 1, or 4, T may be null, /T, or 9, P may be null, 6, 7 or 8.

AVS65-48Q031V812 AVS65B-48Q031V812	3	36-75 V dc, 2.8 A	±12 V dc, 0 A-1.4 A, 3.3 V dc, 0.4 A-4 A, 1.8 V dc, 0 A-10 A
AVS65-48T031V515	3	36-75 V dc, 2.5 A	+ 15 V dc, 3 A, +3.3 V dc, 0-6 A, +1.5 V dc, 7-0 A
AVS65B-48T031V513	3	36-75 V dc, 2.5 A	+15 V dc, 2.7 A +3.3 V dc, 0-6 A, +1.5 V dc, 0-7 A
AVS65B-48Q031V512	3	36-75 V dc, 2.5 A	±12 V dc, 0~1.5 A +3.3 V dc, 0.4-6 A +1.5 V dc, 0~8 A
AVS65-48Q031V512	3	36-75 V dc, 2.5 A	±12 V dc, 0 A-1.2 A +3.3 V dc, 0.4 A-6 A +1.5 V dc, 0 A-8 A
AVS65-48Q031V212 AVS65B-48Q031V212	3	36-75 V dc, 2.5 A	V1,V4 +12 V dc, 2.4 A V2 +3.3 V dc, 5 A V3 +1.2 V dc, 7 A (I02 + I03 ≤ 10 A)

Notes: 1 and 2.

Model	Level	Input	Output
AVE100-48D0503, ALH25AF48	3	36-75 V dc, 3.3 A	5 V dc/0 A-20 A, 3.3 V dc/0 A -25 A

Notes:

- a. Notes 1 and 2.
- b. The above models may be suffixed by P-D, where P may be null, N or P, D may be null, 2, 4, 6, 7 or 8.

Notes:

1. The above models are provided with operational insulation only. To comply with the SELV requirement, it must be connected to the secondary of a source provided with reinforced insulation from the mains.
2. 'AVANSYS', 'ASTEC' and 'EMERSON Network Power' were used as alternative trademark.
3. The output ratings are based on usage of the heatsink and external fan as specified in application manual.

- Basic Insulation Type DC-DC Converters

Model	Level	Input	Output
AG25-48S05	3	36-75 V dc, 0.9 A	+5 V dc, 5.0 A

ALT05A48			
AG25-48S03	3	36-75 V dc, 0.7 A	+3.3 V dc, 6.0 A
ALT06F48			
AG25-48S12	3	36-75 V dc, 0.9 A	+12 V dc, 2.1 A
ALT02B48			
AG25-48D12	3	36-75 V dc, 1.0 A	±12 V dc, 1.25 A
ALT01BB48			
AG25-48S15	3	36-75 V dc, 0.9 A	+15 V dc, 1.67 A
ALT01C48			
AG25-48D05	3	36-75 V dc, 1.1 A	±5 V dc, 3 A
ALT03AA48			
AG25-24S03, ALT05A24	3	18-36 V dc, 1.4 A	3.3 V, 6 A
AG25-24S05, ALT06F24	3	18-36 V dc, 1.6 A	5 V, 5 A
AG25-48S08	3	36-75 V dc, 1.0 A	8 V, 6.3 A

Notes:

- Notes 1 and 2
- The above models may be suffixed by P-L and/or XYZ, where P may be null, N or P, L may be 2, 4, 6, 7 or 8, X, Y and Z may be any ASCII character code.

Model	Level	Input	Output
AVH50-48S12, AV60C-048L-120F04	3	36-75 V dc, 1700 mA	+12 V dc, 4.2 A
AVH50-48S15, AV60C-048L-150F03	3	36-75 V dc, 1650 mA	+15 V dc, 3.3 A
AVH50-48S28, AV60C-048L-280F02	3	36-75 V dc, 1700 mA	+28 V dc, 1.8 A
AVH50-48S28/DT	3	32-64 V dc, 1800 mA	+28 V dc, 1.8 A
AVH75-48S12, AV60C048L-120F06	3	36-75 V dc, 2550 mA	+12 V dc, 6.25 A
AVH75-48S15, AV60C-048L-150F05	3	36-75 V dc, 2500 mA	+15 V dc, 5 A
AVH100-48S08, AV60C-048L-080F12	3	36-75 V dc, 3300 mA	+8 V dc, 12.5 A
AVH100-48S12, AV60C-048L-120F08	3	36-75 V dc, 3300 mA	+12 V dc, 8.3 A
AVH100-48S15, AV60C-048L-150F06	3	36-75 V dc, 3250 mA	+15 V dc, 6.7 A
AVH100-48S28 AV60C-048L-28F03	3	36-75 V dc, 3300 mA	+28 V dc, 3.6 A
AVH150-48S12, AV60C-048L-120F12	3	36-75 V dc, 4850 mA	+12 V dc, 12.5 A
AVH150-48S15, AV60C-048L-150F10	3	36-75 V dc, 4750 mA	+15 V dc, 10 A

Notes:

- Notes 1, 2 and 3.

2. The above models may be suffixed by P-L, where P may be null, N or P, L may be 2, 4, 6, 7 or 8.

Model	Level	Input	Output
AVF700-48S28 AIF25R48	2	36-75 V dc, 23 A	+28 V dc, 25 A

Notes:

1. Notes 1, 2 and 3.
2. The above models may be suffixed by P-L and/or XY, where P may be null, N or P, L may be 2, 4, 6, 7 or 8; X and Y may be A-Z.

Model	Level	Input	Output
AVQ200-48S1V2, ALQ40K48	3	36-75 V dc, 1.6 A	1.2 V, 40 A
AVQ200-48S1V5, ALQ40M48	3	36-75 V dc, 2.0 A	1.5 V, 40 A
AVQ200-48S1V8, ALQ40Y48	3	36-75 V dc, 2.4 A	1.8 V, 40 A
AVQ200-48S2V5, ALQ40G48	3	36-75 V dc, 3.3 A	2.5 V, 40 A
AVQ200-48S3V3, ALQ35F48	3	36-75 V dc, 3.7 A	3.3 V, 35 A

Notes:

1. Notes 1, 2 and 3.
2. The above models may be suffixed by P-L, where P may be null, N or P, L may be 2, 4, 6, 7 or 8.

Model	Level	Input	Output
AVQ30-48D3318, ALQ07FY48	3	36-75 V dc, 1.0 A	Vo1: 3.3 V, 0-6A Vo2: 1.8 V, 0-7 A Io1 + Io2 ≤ 10 A
AVQ30-48D3315, ALQ07FM48	3	36-75 V dc, 0.9 A	Vo1: 3.3 V, 0-6 A Vo2: 1.5 V, 0-7 A Io1 + Io2 ≤ 10 A
AVQ30-48D3312, ALQ07FK48	3	36-75 V dc, 0.9 A	Vo1: 3.3 V, 0-6 A Vo2: 1.5 V, 0-7 A Io1 + Io2 ≤ 10 A

- a. Notes 1, 2.
- b. The above models may be suffixed by P-L and/or XYZ, where P may be null, N or P, L may be 2, 4, 6, 7 or 8, X, Y and Z may be any ASCII character code.

Model	Level	Input	Output
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AVQ50-48S08 ALQ06L48 AEQ06L48	3	36-75 V dc, 1.6 A	8 V, 6.3 A
AVQ50-48S3V3 ALQ12F48 AEQ12F48	3	36-75 V dc, 1.3 A	3.3 V, 12 A
AVQ50-48S1V8 ALQ12Y48 AEQ12Y48	3	36-75 V dc, 0.8 A	1.8 V dc, 12 A
AVQ50-48S1V5 ALQ12M48 AEQ12M48	3	36-75 V dc, 0.8 A	1.5 V dc, 12 A

- Notes 1, 2, 3.
- The AVQ50 series models may be suffixed by PB-L, where P may be null, N or P, B may be null or B, L may be null, 2, 4, 6, 7 or 8.
- The ALQ and AEQ series models may be suffixed by P-L, where P may be null, N or P, L may be null, 2, 4, 6, 7 or 8.

Model	Level	Input	Output
AVE200-48S3V3 AEH40F48	3	36-75 V dc, 6 A	3.3 V, 40 A
AVE250-48S28 AEH09R48	5	36-75 V dc, 12 A	28 V dc, 9 A
AVE200-48S1V2 AEH40K48	3	36-75 V dc, 1.8 A	1.2 V, 40 A

- Notes 1, 2, 3.
- The above models may be suffixed by P-L, where P may be null, N or P, L may be 2, 4, 6, 7 or 8.

Model	Level	Input	Output
AVE75-48D0503, AEH15AF48	3	36-75 V dc, 2.7 A	+3.3 V dc, 15-0 A, +5 V dc, 0-15 A (total current less than 15 A)

- Notes 1, 2, 3.
- The above models may be suffixed by P-L and/or X, Y, Z, where P may be null, N or P, L may be 2, 4, 6, 7 or 8, X, Y and Z may be any ASCII character code.

/ns