

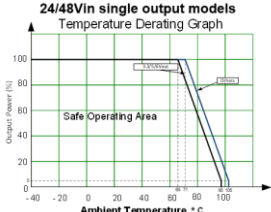
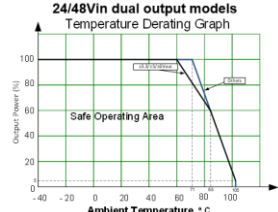
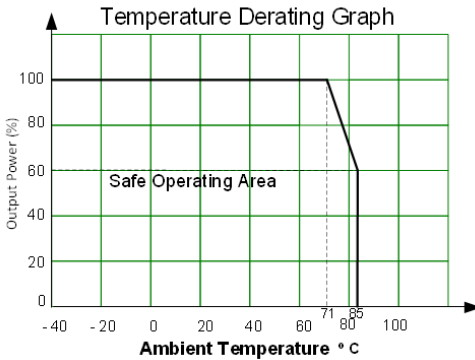
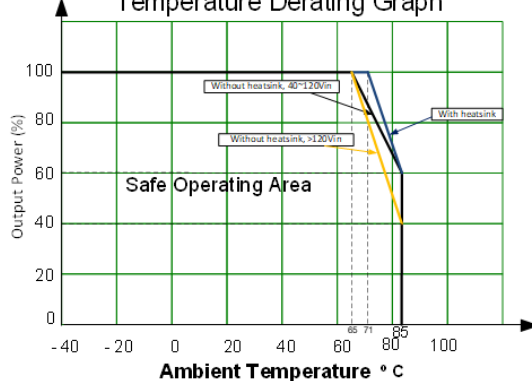
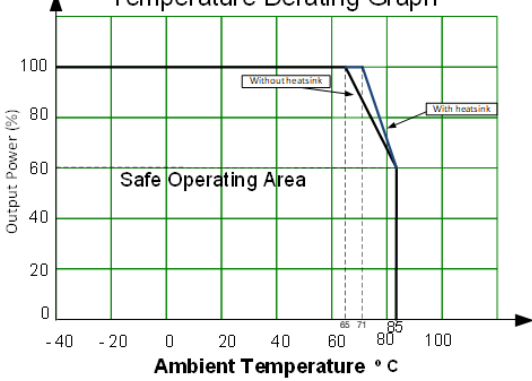
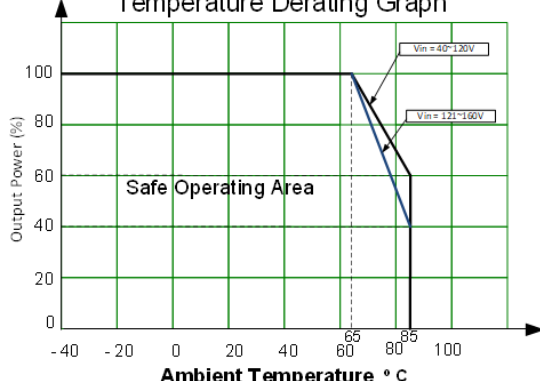
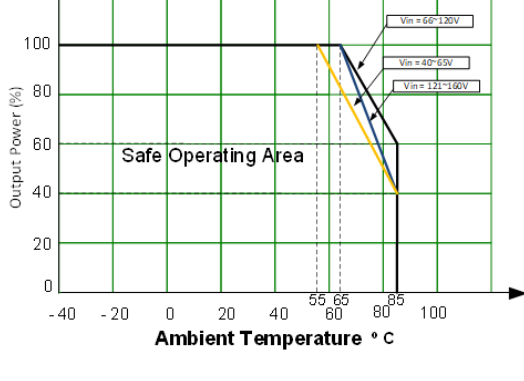
September 4th, 2026

Product Change Notification

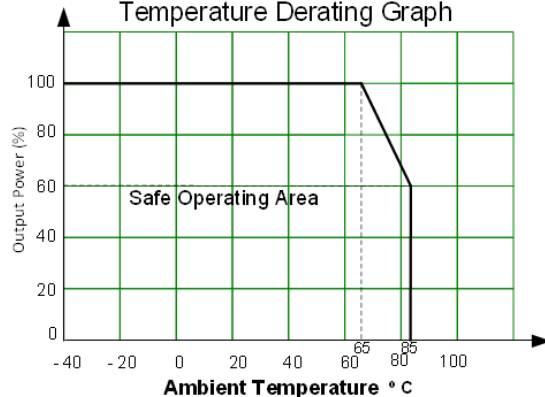
PCN #:	AM20260904-1
Issue Date:	September 4 th , 2026
Products series affected:	AM20EW-LPZ series
Product list:	AM20EW-2403SLPZ, AM20EW-2405SLPZ, AM20EW-2409SLPZ, AM20EW-2412SLPZ, AM20EW-2415SLPZ, AM20EW-2424SLPZ, AM20EW-4803SLPZ, AM20EW-4805SLPZ, AM20EW-4809SLPZ, AM20EW-4812SLPZ, AM20EW-4815SLPZ, AM20EW-4824SLPZ, AM20EW-11003SH22LPZ, AM20EW-11005SH22LPZ, AM20EW-11012SH22LPZ, AM20EW-11015SH22LPZ, AM20EW-11024SH22LPZ, AM20EW-2405DLPZ, AM20EW-2412DLPZ, AM20EW-2415DLPZ, AM20EW-4805DLPZ, AM20EW-4812DLPZ, AM20EW-4815DLPZ
Effective Date:	All part numbers listed in the above product list from the AM20EW-LPZ series shipping from Aimtec as of the issue date of this PCN.
Description of change:	The AM20EW-LPZ series has been updated as described in ANNEX 1 and ANNEX 2. ANNEX 1 applies to all part numbers listed in the above product list. The affected models have been updated with revised efficiency, weight, case height, derating, typical application circuit, EMC recommended circuit and trimming specifications. ANNEX 2 provides details of parameter specific updates. Each change is applicable only to the identified models or model groups. The revised specifications for input current, maximum capacitive load, on/off control, isolation voltage, isolation capacitance, ripple & noise, switching frequency and operating temperature are detailed in ANNEX 2.
Reason for change:	These changes have been implemented due to the EOL of critical raw materials.
Customer Impact:	Certain customers may be impacted by these changes in the specifications. Aimtec recommends reviewing the datasheet and testing samples as necessary.
Package Diagram:	N/A

ANNEX 1

Changes applicable to all part numbers listed in the product list

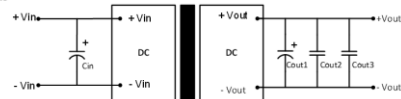
Parameter	Updated AM20EW-LPZ	OLD AM20EW-LPZ
Efficiency	81~91% typ.	82~90% typ.
Weight	PCB mountable models: 22g typ.	24/48Vin PCB mountable models: 28g typ. 110Vin PCB mountable models: 41g typ.
Case height	PCB mountable models: 11.8 mm	PCB mountable models: 12.0 mm
Derating 24/48Vin models	 	24/48Vin models Temperature Derating Graph 
Derating 110Vin models	110Vin 3.3/5Vout models Temperature Derating Graph  Other 110Vin models Temperature Derating Graph 	AM20EW-11003SH22LPZ Temperature Derating Graph  AM20EW-11005SH22LPZ Temperature Derating Graph 

Other 110Vin models Temperature Derating Graph



Typical Application Circuit

Single output models

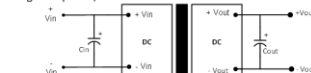


Vin	Vout	Cin	Cout1	Cout2	Cout3
24/48VDC	3.3/5/6VDC	100µF, 100V	100µF, 16V	10µF, 50V	0.1µF, 16V
110VDC			470µF, 16V		
24/48VDC	9/12/15VDC	100µF, 100V	100µF, 25V	10µF, 50V	0.1µF, 25V
110VDC			220µF, 25V		
24/48VDC			47µF, 50V		
110VDC	18/24/28VDC	100µF, 100V	100µF, 50V	10µF, 50V	0.1µF, 50V

For dual output models, the recommended output capacitor values apply to each output.

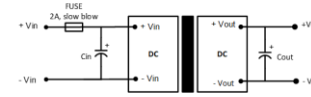
Typical Application Circuit

Single Output 24/48Vin models



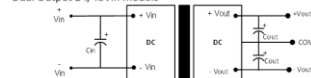
Single outputs				
Vin	Cin	Vout	Cout	
24VDC	100µF/50V	3.3VDC	470µF, 16V	
48VDC	100µF/100V	5VDC	470µF, 16V	
		9VDC	220µF, 25V	
		12VDC	220µF, 25V	
		15VDC	220µF, 25V	
		24VDC	100µF, 50V	

Single Output 110Vin models



Single outputs			
Vin	Cin	Vout	Cout
110VDC	10*47µF	3.3VDC	470µF
		5VDC	470µF
		12VDC	220µF
		15VDC	220µF
		24VDC	100µF
		48VDC	100µF

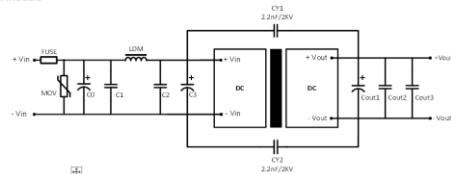
Dual Output 24/48Vin models



Dual outputs			
Vin	Cin	Vout	Cout
24VDC	100µF/50V	±5VDC	220µF,16V
48VDC	100µF/100V	±9VDC	100µF,25V
		±12VDC	100µF,25V
		±15VDC	100µF,25V

Recommended EMC Circuit

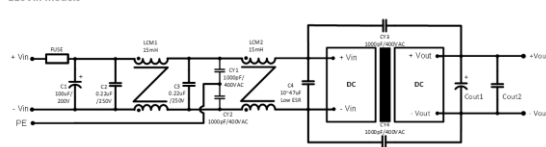
24/48Vin models



Component	24Vin	48Vin
MOV	200470K	140101K
C0, C1	330µF, 50V	330µF, 100V
C1, C2	4.7µF, 50V	4.7µF, 100V
LDM	10µH, 4A	10µH, 2A
Cout	Refer to Cout in Typical Application Circuit	

The choice of fuse should be based on application requirements.
For dual output models, the recommended output capacitor values apply to each output.

110Vin models

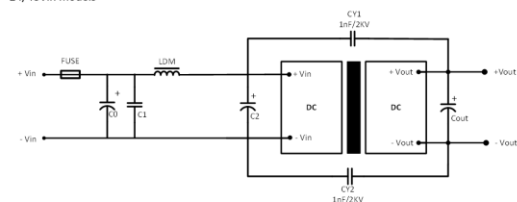


Component	110Vin
Cout	Refer to Cout in Typical Application Circuit

The choice of fuse should be based on application requirements.

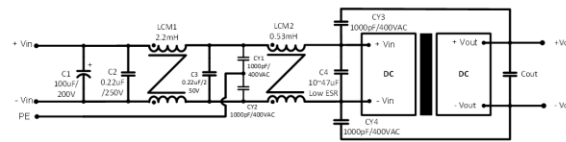
Recommended EMC Circuit

24/48Vin models



Component	24Vin	48Vin
C0, C2	330µF, 50V	330µF, 100V
C1	3µF, 50V	1µF, 100V
Cout	Refer to Cout in Typical Application Circuit	
LDM	4.7µH	3.3µH

110Vin models



Component	110Vin
Cout	Refer to Cout in Typical Application Circuit

The choice of fuse should be based on application requirements.

Typical application circuit

EMC recommended circuit

Trimming

Trimming

3.3V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	3.267	3.234	3.201	3.168	3.135	3.102	3.069	3.036	3.003	2.970
Rt down (KΩ)	1121.642	378.474	220.234	151.369	112.834	88.207	71.111	58.549	48.928	41.324
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	3.333	3.366	3.399	3.432	3.465	3.498	3.531	3.564	3.597	3.630
Rt up (KΩ)	243.933	139.191	95.012	70.649	55.211	44.554	36.755	30.799	26.103	22.305

5V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	4.950	4.900	4.850	4.800	4.750	4.700	4.650	4.600	4.550	4.500
Rt down (KΩ)	39.966	22.440	13.270	7.631	3.813	1.056	—	—	—	—
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	5.050	5.100	5.150	5.200	5.250	5.300	5.350	5.400	5.450	5.500
Rt up (KΩ)	—	135.361	52.843	29.152	17.912	11.350	7.048	4.011	1.752	0.006

9V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	8.910	8.820	8.730	8.640	8.550	8.460	8.370	8.280	8.190	8.100
Rt down (KΩ)	688.959	363.942	241.424	177.109	137.483	110.619	91.206	76.523	65.028	55.785
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	9.090	9.180	9.270	9.360	9.450	9.540	9.630	9.720	9.810	9.900
Rt up (KΩ)	404.624	168.879	102.131	70.606	52.244	40.225	31.746	25.444	20.576	16.703

12V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	11.880	11.760	11.640	11.520	11.400	11.280	11.160	11.040	10.920	10.800
Rt down (KΩ)	525.855	272.916	179.060	130.111	100.061	79.736	65.073	53.995	45.330	38.368
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	12.120	12.240	12.360	12.480	12.600	12.720	12.840	12.960	13.080	13.200
Rt up (KΩ)	190.983	76.518	43.233	27.375	18.096	12.007	7.703	4.500	2.023	0.050

15V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	14.850	14.700	14.550	14.400	14.250	14.100	13.950	13.800	13.650	13.500
Rt down (KΩ)	675.367	382.496	260.958	194.429	152.455	123.560	102.455	86.363	73.689	63.447
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	15.150	15.300	15.450	15.600	15.750	15.900	16.050	16.200	16.350	16.500
Rt up (KΩ)	323.076	105.467	56.466	34.831	22.640	14.818	9.373	5.365	2.291	—

24V Output

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	23.760	23.520	23.280	23.040	22.800	22.560	22.320	22.080	21.840	21.600
Rt down (KΩ)	884.993	596.018	445.449	353.063	290.596	245.540	211.505	184.889	163.505	145.947
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	24.240	24.480	24.720	24.960	25.200	25.440	25.680	25.920	26.160	26.400
Rt up (KΩ)	—	267.311	114.905	70.425	49.207	36.786	28.630	22.864	18.572	15.253

Trimming

3.3V Output 24/48Vin

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	3.267	3.234	3.201	3.168	3.135	3.102	3.069	3.036	3.003	2.970
Rt down (KΩ)	119.157	76.942	54.687	40.942	31.609	24.859	19.748	15.745	12.525	9.878
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	3.333	3.366	3.399	3.432	3.465	3.498	3.531	3.564	3.597	3.630
Rt up (KΩ)	802.671	223.749	90.326	53.240	35.829	25.718	19.111	14.457	11.000	8.332

AM20EW-11003SH22LPZ

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	3.267	3.234	3.201	3.168	3.135	3.102	3.069	3.036	3.003	2.970
Rt down (KΩ)	195.744	109.218	73.096	53.270	40.741	32.108	25.797	20.983	17.190	14.124
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	3.333	3.366	3.399	3.432	3.465	3.498	3.531	3.564	3.597	3.630
Rt up (KΩ)	308.349	105.149	60.286	40.580	29.504	22.407	17.472	13.842	11.058	8.857

5V Output 24/48Vin

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	4.950	4.900	4.850	4.800	4.750	4.700	4.680	4.600	4.550	4.500
Rt down (KΩ)	110.182	53.582	32.644	21.738	15.047	10.524	9.100	4.798	2.871	1.323
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	5.060	5.100	5.150	5.200	5.250	5.300	5.350	5.400	5.450	5.500
Rt up (KΩ)	130.380	68.870	40.959	27.639	19.840	14.718	11.096	8.401	6.316	4.655

AM20EW-11005SH22LPZ

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	4.950	4.900	4.850	4.800	4.750	4.700	4.680	4.600	4.550	4.500
Rt down (KΩ)	105.181	52.154	31.997	21.378	14.823	10.373	8.969	4.719	2.811	1.277
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	5.060	5.100	5.150	5.200	5.250	5.300	5.350	5.400	5.450	5.500
Rt up (KΩ)	138.071	71.279	41.974	28.200	20.198	14.967	11.281	8.544	6.430	4.749

9V Output 24/48Vin

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	8.910	8.820	8.730	8.640	8.550	8.460	8.370	8.280	8.190	8.100
Rt down (KΩ)	375.533	207.430	139.157	102.145	78.924	62.997	51.393	42.562	35.617	30.011
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	9.090	9.180	9.270	9.360	9.450	9.540	9.630	9.720	9.810	9.900
Rt up (KΩ)	314.532	112.639	64.148	42.357	29.975	21.990	16.412	12.297	9.134	6.629

12V Output 24/48Vin

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	11.880	11.760	11.640	11.520	11.400	11.280	11.160	11.040	10.920	10.800
Rt down (KΩ)	496.092	301.452	212.527	161.585	128.573	105.442	88.332	75.164	64.716	56.223
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	12.120	12.240	12.360	12.480	12.600	12.720	12.840	12.960	13.080	13.200
Rt up (KΩ)	706.435	158.920	83.879	54.075	38.077	28.095	21.274	16.317	12.552	9.595

AM20EW-11012SH22LPZ

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	11.880	11.760	11.640	11.520	11.400	11.280	11.160	11.040	10.920	10.800
Rt down (KΩ)	496.092	301.452	212.527	161.585	128.573	105.442	88.332	75.164	64.716	56.223
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	12.120	12.240	12.360	12.480	12.600	12.720	12.840	12.960	13.080	13.200
Rt up (KΩ)	706.435	158.920	83.879	54.075	38.077	28.095	21.274	16.317	12.552	9.595

15V Output 24/48Vin

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	14.850	14.700	14.550	14.400	14.250	14.100	13.950	13.800	13.650	13.500
Rt down (KΩ)	259.486	206.711	170.213	143.469	123.029	106.899	93.847	83.067	74.014	66.304
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	15.150	15.300	15.450	15.600	15.750	15.900	16.050	16.200	16.350	16.500
Rt up (KΩ)	—	—	—	468.181	149.393	84.045	55.873	40.178	30.174	23.241

AM20EW-11015SH22LPZ

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	14.850	14.700	14.550	14.400	14.250	14.100	13.950	13.800	13.650	13.500
Rt down (KΩ)	974.008	517.390	346.387	256.863	201.789	164.487	137.551	117.187	101.251	88.440
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	15.150	15.300	15.450	15.600	15.750	15.900	16.050	16.200	16.350	16.500
Rt up (KΩ)	283.713	117.996	70.541	48.045	34.918	26.315	20.242	15.725	12.235	9.456

24V Output 24/48Vin

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	23.760	23.520	23.280	23.040	22.800	22.560	22.320	22.080	21.840	21.600
Rt down (KΩ)	1291.721	794.249	566.971	436.771	352.397	293.276	249.546	215.890	189.186	167.481
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	24.240	24.480	24.720	24.960	25.200	25.440	25.680	25.920	26.160	26.400
Rt up (KΩ)	797.750	178.809	93.978	60.286	42.201	30.917	23.206	17.602	13.346	10.003

AM20EW-11024SH22LPZ

Trim down %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	23.760	23.520	23.280	23.040	22.800	22.560	22.320	22.080	21.840	21.600
Rt down (KΩ)	1286.200	792.123	565.867	436.104	351.954	292.963	249.315	215.714	189.047	167.300
Trim up %	1	2	3	4	5	6	7	8	9	10
Vout (VDC)	24.240	24.480	24.720	24.960	25.200	25.440	25.680	25.920	26.160	26.400
Rt up (KΩ)	816.889	179.914	94.938	60.464	42.307	30.988	23.257	17.640	13.376	10.027

ANNEX 2

Changes applicable to specific models or model groups

Parameter	Updated AM20EW-LPZ	OLD AM20EW-LPZ
Input current Full/No load	24Vin models: 947/20mA typ. 48Vin models: 473/15mA typ.	24Vin models: 799~969/40mA typ. 48Vin models: 400~485/20mA typ.
Maximum capacitive load	9Vout, single output models: 6800 μ F AM20EW-11012SH22LPZ: 1600 μ F AM20EW-11015SH22LPZ: 1000 μ F AM20EW-11024SH22LPZ: 470 μ F 5Vout, dual output models: 2000 μ F 15Vout, dual output models: 600 μ F	9Vout, single output models: 4700 μ F AM20EW-11012SH22LPZ: 2700 μ F AM20EW-11015SH22LPZ: 1680 μ F AM20EW-11024SH22LPZ: 680 μ F 5Vout, dual output models: 4800 μ F 15Vout, dual output models: 625 μ F
On/Off control	24/48Vin idle current: 2-7mA	24/48Vin idle current: 4-7mA
Isolation voltage	Input/Output, 60 sec, 1mA, 24/48Vin models: ≥ 1600 VDC typ.	Input/Output, 60 sec, 1mA, 24/48Vin models: ≥ 1500 VDC typ.
Isolation capacitance	Input/Output, 100KHz/0.1V, 24/48Vin models: 2000pF typ.	Input/Output, 100KHz/0.1V, AM20EW-2424SLPZ: 2000pF typ. Input/Output, 100KHz/0.1V, other 24/48Vin models: 2000pF typ.
Ripple & noise	5~100 load, 24/48Vin models: 80mV p-p typ. 200mV p- p max. 0~5 load, 24/48Vin models: 5%Vout max.	24/48Vin models: 50mV p-p typ. 100mV p-p max.
Switching frequency	24/48Vin models: 300KHz typ.	24/48Vin models: 270KHz typ.
Operating temperature	AM20EW-2403SLPZ, AM20EW-2405SLPZ, AM20EW- 2406SLPZ, AM20EW-4803SLPZ, AM20EW-4805SLPZ, AM20EW-4806SLPZ: -40~95°C Other 24/48Vin models: -40~105°C	All 24/48Vin models: -40~85°C