



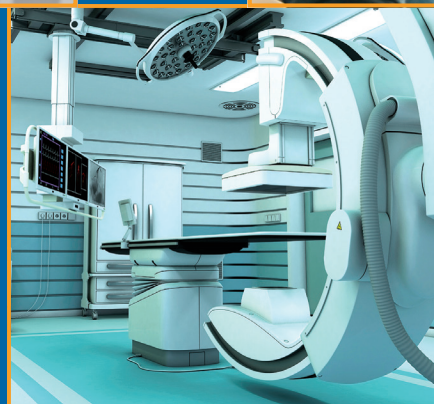
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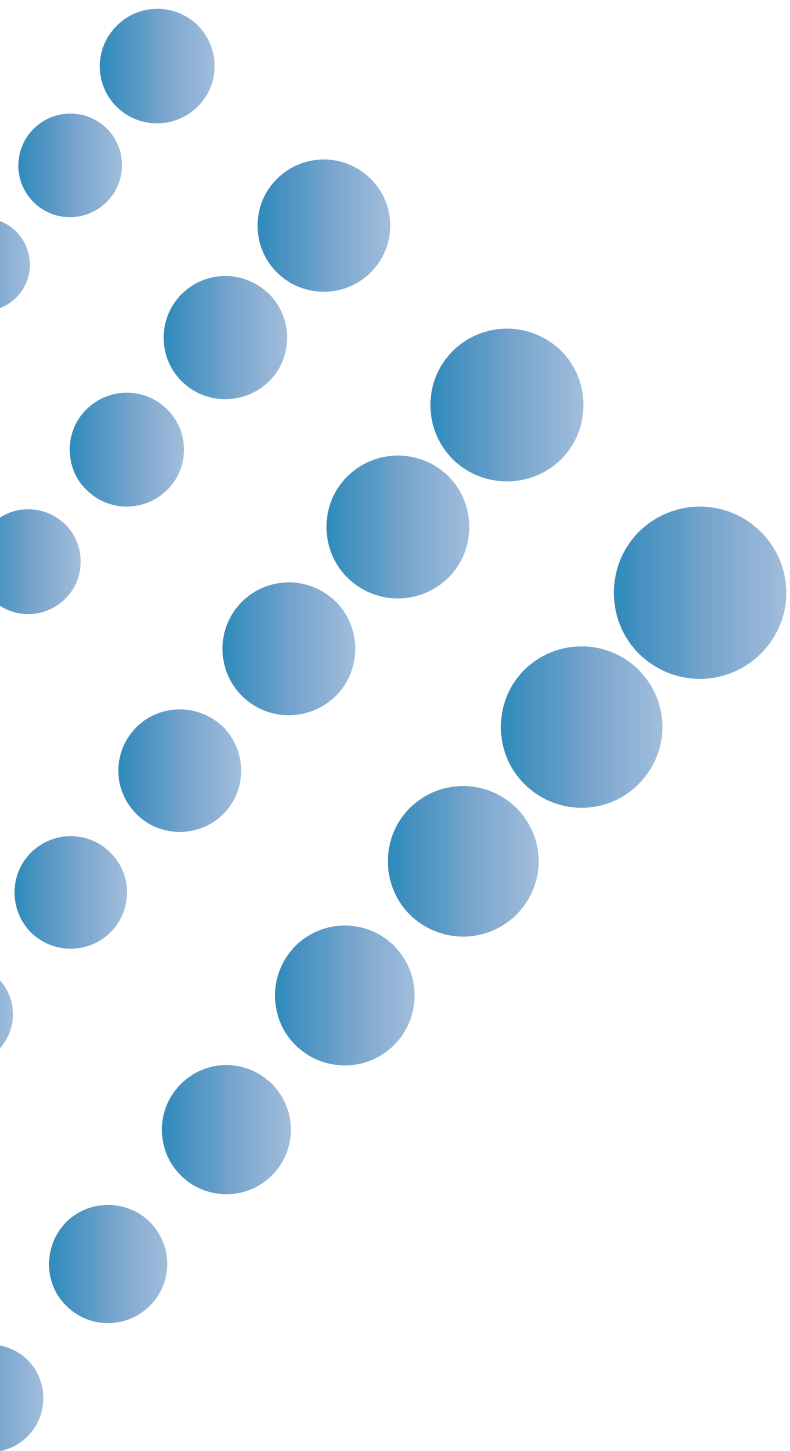
Your Power Partner



Catalogue Overview 20

DC/DC converters / LED drivers
AC/DC converters / LED drivers





The Aimtec brand is associated with quality, value and service. Headquartered in Canada with offices in Europe and Asia, Aimtec is actively involved in the research and development of modular switching power supplies. Aimtec's designs assist customers worldwide in reducing engineering design time and expense, while facilitating miniaturization and performance enhancement of their applications.



Aimtec offers a wide range of package types

SMD



SMD : 1/4W, 1W



SMD : 1W



SMD : 1.5W, 2W, 3W

DIP



DIP8 : 1W



DIP14 : 1W



DIP14 : 1W



DIP16 : 2W



DIP24 : 3W, 4W, 5W, 6W, 8W, 10W, 12W, 15W

SIP



SIP3 : 5W, 7W, 12W



SIP4 : 1/4W, 1W, 2W



SIP6 : 1W



SIP7 : 1W, 2W, 3W

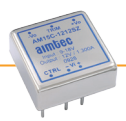


SIP8 : 1W, 2W, 3W, 6W



SIP9 : 2W, 3W

OTHER TYPES



1" x 1" : 15W, 20W, 30W



2" x 1" : 10W, 15W, 20W, 30W, 40W, 50W, 60W



2" x 1.6" : 30W



Non-standard:
1.08" x 0.70" x 0.28", 2W
1.37" x 0.90" x 0.28", 3W
1.75" x 1.10" x 0.28", 6W

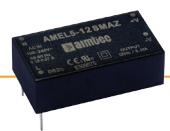


2" x 2" : 40W, 60W



Heat sink option:
15W, 20W, 30W, 40W, 60W

AC/DC



Encapsulated: 1W, 2W, 3W, 5W, 10W, 15W, 20W, 30W, 40W, 60W



Enclosed: 15W, 30W, 40W



Open Frame: 1W, 3W, 5W, 10W, 30W, 40W



Mounting plate
5W, 10W, 20W

LED DRIVERS



SMD
AMLDV-NZ



DIP14, DIP16
AMLDL-Z, AMLDL-RZ



DIP16
AMLDLW-Z
Wire connections



DIP24
AMLDL-Z



IP68
AME(P)Rxx-(C)AZ



IP67, IP20
AMEPRxxD-AZ



IP67
AMEPR5/8-AZ



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DC/DC Converters (isolated)



One of the industry's largest and most complete product offering of 1 to 3 watt converters just got larger

Over 7000 models overall (4000+ between 1 ~ 3 watt)

Output power: ¼ W ~ 60W (SMD from 1/4W to 3W)

Input range: 3 up to 1500VDC ($\pm 10\%$, 2:1, 4:1, up to 10:1)

Input / Output isolation: 1000 ~ 6000VDC, up to 4000VAC

Industrial operating temperature range: -40 °C cold start up to 125 °C

Industry standard pin configurations

Wide assorted package types: SIP, DIP, SMD, 1x1", 2x1", 2x1.6", 2x2"



DC/DC converters

1/4 Watt



AM1/4S-Z SIP4

SERIES	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	DUAL SEPARATED OUTPUT (VDC)	ISOLATION (VDC)	CASE	SAFETY
AM1/4L-NZ	5, 12, 24	5, 12	±5	--	1K, 3K	SMD	--
AM1/4LS-NZ	3.3, 5, 12, 24	3.3, 5, 9, 12	--	--	1.5K, 3K	SMD	--
AM1/4S-Z	5, 12, 15, 24, 48	3.3, 5, 7.2, 9, 12, 15, 18, 24	--	--	1K, 3K	SIP4	CE

1 Watt



AM1A-Z SIP6



AM1G-Z SIP8



AM1LS-NZ SMD



AM1PS-Z DIP8

NEW

AM1A-Z	4.5-9, 9-18, 18-36, 36-75	5, 12, 15, 24	±12, ±15	--	1.5K	SIP6	CE
AM1D-Z	3.3, 5, 12, 15, 24, 48	3.3, 5, 7.2, 9, 12, 15, 18, 24	±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24	3.3/3.3, 5/5, 7.2/7.2, 9/9, 12/12, 15/15, 18/18, 24/24	1K, 3K, 4K, 5.2K, 6K	SIP7	CE, UL
AM1D-RZ	5, 12, 15, 24, 48	5, 9, 12, 15	±5, ±9, ±12, ±15	--	1K, 3K	SIP7	CE
AM1D-NZ	5, 12, 24	5, 9, 12, 15	±5, ±9, ±12, ±15	--	1K, 3K, 6K	SIP7	CE, UL
AM1DC-Z	5, 9, 12, 15, 24	3.3, 5, 9, 12, 15	±3.3, ±5, ±9, ±12, ±15, ±15/-9	--	6K	SIP7	CE
AM1DE-Z	5, 12, 24	5, 12, 15	±5, ±12, ±15	--	1.5K, 3K	SIP7	CE
AM1DM-NZ	3.3, 5, 12, 24	3.3, 5, 12, 15	±5, ±9, ±12, ±15	--	6K	SIP7	
AM1DR-Z	5, 12, 24	3.3, 5, 7.2, 9, 12, 15	--	--	1K, 3K	SIP7	CE
AM1DR-RZ	5, 12, 24	3.3, 5, 7.2, 9, 12, 15	--	--	1K	SIP7	CE
AM1DR-NZ	5, 12, 24	5, 12, 15, 24	--	--	1K, 3K	SIP7	--
AM1DS-Z	5, 12, 24	5, 7.2, 9, 12, 15, 18, 24	±5, ±7.2, ±9, ±12, ±15	--	1K, 3K, 4K, 5.2K, 6K	SIP7	--
AM1DS-NZ	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	±5, ±9, ±12, ±15, ±24	--	1.5K, 3K	SIP7	UL
AM1G-Z	4.5-9, 9-18, 18-36, 36-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24	--	1K, 3K	SIP8	CE
AM1G-NZ	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 9, 12, 15, 24	±5, ±9, ±12, ±15	--	1.5K, 3K	SIP8	--
AM1L-NZ	3.3, 5, 12, 24	3.3, 5, 9, 12, 15, 24	±5, ±9, ±12, ±15	5/5, 12/12, 15/15	1K, 3K	SMD	CE, UL
AM1L-FZ	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15	±3.3, ±5, ±9, ±12, ±15	--	1K, 3K	SMD	--
AM1LE-NZ	5	5	--	--	3.5K	SMD	--
AM1LR-NZ	5, 12, 24	3.3, 5, 12, 15	--	--	1K, 3K	SMD	--
AM1LS-NZ	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	±5, ±9, ±12, ±15, ±24	--	1.5K, 3K	SMD	--
AM1LT-NZ	5, 12	5, 12, 15	--	--	1.5K, 3K	SMD	--
AM1M-NZ	3.3, 5, 12, 15, 24	3.3, 5, 12, 15	±5, ±9, ±12, ±15, ±24		1.5K, 3K	DIP14	
AM1MR-Z	5, 12, 24	3.3, 5, 7.2, 9, 12, 15	--	--	1K	DIP14	CE
AM1N-NZ	5, 12	5, 9, 12, 15	±5, ±9, ±12, ±15	--	6K	DIP24	UL

1 Watt (con't)

SERIES	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	DUAL SEPARATED OUTPUT (VDC)	ISOLATION (VDC)	CASE	SAFETY
AM1P-Z	3.3, 5, 12, 24, 48	3.3, 5, 7.2, 9, 12, 15, 18, 24	±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24	3.3/3.3, 5/5, 7.2/7.2, 9/9, 12/12, 15/15, 18/18, 24/24	1K, 3K	DIP8	CE
AM1P-NZ	5, 12	5, 15	--	--	1K	DIP8	CE, UL
AM1PS-Z	5, 12, 24	5, 12, 15	±5, ±12, ±15	--	1K, 3K	DIP8	--
AM1PS-NZ	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	--	--	1.5K	DIP8	UL
AM1S-Z	3.3, 5, 12, 24, 48	3.3, 5, 7.2, 9, 12, 15, 18, 24	--	--	1K, 3K	SIP4	CE
AM1SS-Z	5, 12, 24	5, 12, 15	--	--	1K, 3K	SIP4	--
AM1S-NZ	5, 12, 24	5, 12, 15	--	--	1K, 3K	SIP4	CE
AM1SS-NZ	3.3, 5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	--	--	1.5K	SIP4	UL



AM1N-NZ DIP24

1.5 Watt

AM2LW-NZ	9-36, 18-72	3.3, 5, 9, 12, 15	±5, ±12, ±15		1.5K	SMD	
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AM2B-NZ DIP16

2 Watt

AM2B-NZ	5, 12, 24	5, 12, 15			6K	DIP16	CE
AM2D-Z	5, 12, 24, 48	3.3, 5, 7.2, 9, 12, 15, 18, 24	±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24	3.3/3.3, 5/5, 7.2/7.2, 9/9, 12/12, 15/15, 18/18, 24/24	1K, 3K, 4K, 5.2K, 6K	SIP7	CE
AM2D-RZ	5, 12, 15, 24, 48	5, 9, 12, 15	±5, ±9, ±12, ±15	--	1K, 3K	SIP7	CE
NEW AM2DM-NZ	5, 12, 24	5, 12, 15	±5, ±9, ±12, ±15	--	6K	SIP7	--
AM2DS-Z	5, 12, 15, 24	3.3, 5, 9, 12, 15	±5, ±9, ±12, ±15, ±15/-9	--	5.2K	SIP7	--
AM2DS-NZ	5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	±3.3, ±5, ±9, ±12, ±15, ±24	--	1.5K, 3K	SIP7	UL
AM2F-Z	5, 12, 24	3.3, 5, 7.2, 9, 12, 15, 18, 24	--	--	1K, 3K, 5.2K	SIP12	--
AM2G-Z	4.5-9, 9-18, 18-36, 36-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24	--	1K, 3K	SIP8	CE
AM2GH-Z	4.5-18, 9-36, 18-75	3.3, 5, 12, 15	±5, ±12, ±15	--	1.6K	SIP8	CE
AM2GW-Z	9-36, 18-75	3.3, 5, 12, 15	±5, ±12, ±15	--	1.5K	SIP9	CE
AM2GW-NZ	9-36, 18-72	5	--	--	1.5K	SIP9	--
AM2L-NZ	5, 12, 24	5, 12, 15	±5, ±9, ±12, ±15	5/5, 15/15	1K, 6K	SMD	CE
AM2LS-NZ	5, 12, 15, 24	3.3, 5, 9, 12, 15, 24	--	--	1.5K, 3K	SMD	--
AM2LV-NZ	9-18, 18-36	3.3, 5, 12	±5, ±9, ±12, ±15	--	1.5K	SMD	--
NEW AM2M-NZ	3.3, 5, 9, 12, 15, 24	3.3, 5, 9, 12, 15, 24	±5, ±9, ±12, ±15, ±24		1.5K, 3K	DIP14	
AM2N-NZ	5, 12	5, 9, 12, 15	±5, ±9, ±12, ±15	--	6K	DIP24	UL
AM2Q-Z	4.5-9, 9-18, 18-36, 36-75	5, 12, 15	±12, ±15	--	500VAC	1 X 0.7"	--
AM2S-Z	5, 12, 24, 48	3.3, 5, 7.2, 9, 12, 15, 18, 24	--	--	1K, 3K	SIP4	CE



AM2D-RZ SIP7



AM2LV-NZ SMD



AM2N-NZ DIP24



AM2Q-Z 1" x 0.7"

Note: Nominal Input voltages are ±10%, unless otherwise specified.

3 Watt



AM3F SIP12



AM3G-Z SIP8



AM3Q-Z 1.4" x 0.9"



AM3N-Z DIP24

SERIES	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	ISOLATION (VDC)	CASE	SAFETY
AM3D-Z	5, 12	5, 9, 12, 15	±5, ±9, ±12, ±15	1K, 3K	SIP7	CE
AM3F-Z	5, 12, 24	3.3, 5, 7.2, 9, 12, 15, 18, 24	--	1K, 3K, 5.2K	SIP12	--
AM3G-NZ	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 9, 12, 15, 24	±5, ±9, ±12, ±15	1.5K, 3K	SIP8	--
AM3G-Z	4.5-9, 9-18, 18-36, 36-72	3.3, 5, 12, 15	±5, ±12, ±15	1.6K, 3K	SIP8	CE
AM3GH-Z	4.5-18, 9-36, 18-75	3.3, 5, 12, 15	±5, ±12, ±15	1.6K	SIP8	CE
AM3GW-Z	9-36, 18-75	3.3, 5, 12, 15	±5, ±12, ±15	1.5K	SIP9	CE
AM3HW-NZ	9-36, 18-75	5, 12, 15, 24	--	1.5K	SMD	--
AM3LV-NZ	9-18, 18-36, 36-75	5, 12, 15	±5, ±12, ±15	1.5K	SMD	--
AM3N-D-RZ	5, 12, 24	--	±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24	1K, 3K, 5.2K	DIP24	CE
AM3N-Z	5, 12, 24	3.3, 5, 7.2, 9, 12, 15, 18, 24	--	1K, 3K, 5.2K	DIP24	CE
AM3Q-Z	4.5-9, 9-18, 18-36, 36-75	5, 12, 15	±12, ±15	500VAC	1.4 X 0.9"	--
AM3T-Z	9-18, 18-36, 36-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24	1.5K, 3.5K	DIP24	--
AM3T-NZ	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 12, 15, 24	±5, ±9, ±12, ±15	1.5K	DIP24	UL
AM3T-PNZ	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 9, 12, 15, 24	±5, ±9, ±12, ±15	1.5K, 3K	DIP24	--
AM3T-RZ	9-18, 18-36, 36-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24	1.5K	DIP24	CE
AM3T-VZ	4.5-9, 9-18, 18-36, 36-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	±5, ±7.2, ±9, ±12, ±15, ±18, ±24	1.5K, 3.5K	DIP24	--
AM3T-RVZ	4.5-9, 9-18, 18-36, 36-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	±5, ±7.2, ±9, ±12, ±15, ±18, ±24	1.5K	DIP24	--
AM3TI-RZ	9-18, 18-36, 36-75	3.3, 5, 12, 15, 24	±3.3, ±5, ±12, ±15, ±24	1.5K, 3K	DIP24	CE, UL
AM3TW-Z	9-36, 18-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24	1.5K, 3.5K	DIP24	--
AM3TW-NZ	9-36, 18-75	3.3, 5, 9, 12, 15, 24			1.5K	DIP24
AM3TW-RZ	9-36, 18-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24	1.5K	DIP24	CE
AM3TW-VZ	9-36, 18-72	5, 9, 12, 15, 24	±5, ±9, ±12, ±15, ±24	1.5K, 3.5K	DIP24	--
AM3TW-RVZ	9-36, 18-72	5, 9, 12, 15, 24	±5, ±9, ±12, ±15, ±24	1.5K	DIP24	--
AM3TIW-RZ	9-36, 18-75	3.3, 5, 12, 15, 24	±3.3, ±5, ±12, ±15, ±24	1.5K, 3K	DIP24	CE, UL

Note: Nominal Input voltages are ±10%, unless otherwise specified.

4 Watt

SERIES	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	ISOLATION (VDC)	CASE	SAFETY
AM4N-Z	5, 12	3.3, 5, 12, 15		5K VAC	DIP24	CE
AM4T-Z	4.5-9, 9-18, 18-36, 36-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	$\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$	1.5K, 3.5K	DIP24	CE
AM4T-VZ	9-18, 18-36, 36-72	5, 9, 12, 15, 24	$\pm 5, \pm 9, \pm 12, \pm 15, \pm 24$	1.5K, 3.5K	DIP24	--
AM4TW-Z	9-36, 18-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	$\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$	1.5K, 3.5K	DIP24	CE
AM4TW-RZ	9-36, 18-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	$\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$	1.5K	DIP24	CE
AM4TW-VZ	9-36, 18-72	3.3, 5, 12, 15	$\pm 5, \pm 12, \pm 15$	1.5K, 3.5K	DIP24	--
AM4TW-RVZ	9-36, 18-72	3.3, 5, 12, 15	$\pm 5, \pm 12, \pm 15$	1.5K	DIP24	--



AM4TW-RZ DIP24

5 Watt

AM5T-Z	4.5-9, 9-18, 18-36, 36-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	$\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$	1.5K, 3.5K	DIP24	CE
AM5T-FZ	9-18, 18-36, 36-75	5, 12, 15	$\pm 12, \pm 15$	4K VAC	DIP24	--
AM5T-VZ	9-18, 18-36, 36-72	5, 9, 12, 15, 24	$\pm 5, \pm 9, \pm 12, \pm 15, \pm 24$	1.5K, 3.5K	DIP24	--
AM5TW-Z	9-36, 18-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	$\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$	1.5K, 3.5K	DIP24	CE
AM5TW-RZ	9-36, 18-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	$\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$	1.5K	DIP24	CE
AM5TW-VZ	9-36, 18-72	3.3, 5, 12, 15	$\pm 5, \pm 12, \pm 15$	1.5K, 3.5K	DIP24	--
AM5TW-RVZ	9-36, 18-72	3.3, 5, 12, 15	$\pm 5, \pm 12, \pm 15$	1.5K	DIP24	--
AM5W-NZ	100-1000	5		4K VAC	2.76 X 1.89"	--



AM5TW-Z DIP24



AM5W-NZ

6 Watt

AM6C-NZ	9-18, 18-36, 36-75	3.3, 5, 12, 15, 24	$\pm 5, \pm 12, \pm 15, \pm 24$	1.5K	1 x 1"	--
AM6CW-FZ	9-36, 18-75	3.3, 5, 9, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	1.5K	1 x 1"	--
AM6CW-NZ	9-36, 18-75, 40-160	3.3, 5, 9, 12, 15, 24	$\pm 5, \pm 12, \pm 15, \pm 24$	1.5K	1 x 1"	--
AM6G-Z	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 9, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	1.5K, 3K	SIP8	CE
AM6GH-Z	9-36, 18-75	3.3, 5, 9, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	1.5K, 3K	SIP8	CE
AM6Q-Z	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 12, 15	$\pm 12, \pm 15$	500VAC	1.7 X 1.1"	--
AM6T-Z	4.5-9, 9-18, 18-36, 36-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	$\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$	1.5K, 3.5K	DIP24	CE
AM6T-VZ	9-18, 18-36, 36-72	5, 9, 12, 15, 24	$\pm 5, \pm 9, \pm 12, \pm 15, \pm 24$	1.5K, 3.5K	DIP24	--
AM6TI-Z	9-18, 18-36, 36-75	3.3, 5, 12, 15, 24	$\pm 3.3, \pm 5, \pm 12, \pm 15, \pm 24$	1.5K, 3K	DIP24	CE, UL
AM6T-NZ	9-18, 18-36, 36-75	3.3, 5, 9, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	1.5K, 3K	DIP24	CE
AM6TW-Z	9-36, 18-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	$\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$	1.5K, 3.5K	DIP24	CE
AM6TW-RZ	9-36, 18-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	$\pm 3.3, \pm 5, \pm 7.2, \pm 9, \pm 12, \pm 15, \pm 18, \pm 24$	1.5K	DIP24	CE
AM6TW-VZ	9-36, 18-72	12, 15	$\pm 12, \pm 15$	1.5K, 3.5K	DIP24	--
AM6TW-RVZ	9-36, 18-72	12, 15	$\pm 12, \pm 15$	1.5K	DIP24	--
AM6TIW-RZ	9-36, 18-75	3.3, 5, 12, 15, 24	$\pm 3.3, \pm 5, \pm 12, \pm 15, \pm 24$	1.5K, 3K	DIP24	CE, UL
AM6TW-NZ	9-36, 18-75	3.3, 5, 9, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	1.5K, 3K, 6K	DIP24	--

AM6Q-Z
1.7" x 1.1"

NEW



AM8TW-Z DIP24



AM10E-Z 2"x 1"



AM10EW-NZ 2"x 1"



AM12T-Z DIP24

8 Watt

SERIES	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	ISOLATION (VDC)	CASE	SAFETY
AM8T-Z	9-18, 18-36, 36-72	3.3, 5, 12, 15	±5, ±12, ±15	1.5K	DIP24	CE
AM8T-IZ	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 12, 15	±5, ±12, ±15	1.5K	DIP24	CE
AM8TW-Z	9-36, 13-70, 18-75, 42-176	3.3, 5, 12, 15	±5, ±12, ±15	1.6K, 3K	DIP24	CE
AM8TW-IZ	9-36, 18-75, 36-160	3.3, 5, 12, 15, 24	±5, ±12, ±15	1.5K	DIP24	CE

10 Watt

SERIES	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	ISOLATION (VDC)	CASE	SAFETY
AM10C-FZ	9-18, 18-36, 36-75	3.3, 5, 12, 15, 24	±5, ±12, ±15	1.5K	1 x 1"	
AM10CW-FZ	9-36, 18-75	3.3, 5, 12, 15, 24	±5, ±12, ±15	1.5K	1 x 1"	
NEW AM10CW-NZ	9-36, 18-75	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	1.5K	1 x 1"	
AM10T-IZ	9-18, 18-36, 36-75	3.3, 5, 12, 15	±5, ±12, ±15	1.5K	DIP24	
AM10TW-IZ	9-36, 18-75	3.3, 5, 12, 15	±5, ±12, ±15	1.5K	DIP24	
AM10TW-Z	9-36, 18-75	3.3, 5, 12, 15	±5, ±12, ±15	1.6K	DIP24	CE
AM10E-Z	9-18, 18-36, 36-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24	1.5K	2 X 1"	CE
AM10EW-Z	9-36, 18-72	3.3, 5, 12, 15	±5, ±12, ±15	1.5K	2 X 1"	CE
AM10EW-NZ	9-36, 18-75, 40-160	3.3, 5, 9, 12, 15, 24	±5, ±12, ±15	1.5K, 3K	2 X 1"	CE
NEW AM10W-NZ	100-1000, 200-1500	5, 9, 24	--	4K VAC	2.76 x 1.89", 4.92 x 2.95"	CSA

12 Watt

SERIES	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	ISOLATION (VDC)	CASE	SAFETY
AM12T-Z	9-18, 18-36, 36-75	2.5, 3.3, 5, 12, 15	±12, ±15	1.6K	DIP24	CE
AM12TW-Z	9-36, 18-75	3.3, 5.1, 12, 15	±5, ±12, ±15	1.6K	DIP24	CE
AM12E-FZ	9-18, 18-36, 36-75	3.3, 5, 12, 15	±5, ±12, ±15	3K	2 X 1"	

15 Watt

SERIES	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	DUAL SEPARATED OUTPUT (VDC)	ISOLATION (VDC)	CASE	SAFETY
AM15C-Z	9-18, 18-36, 36-75	3.3, 5, 12, 15	±5, ±12, ±15	--	1.6K	1 X 1"	CE
AM15CW-Z	9-36, 18-75	3.3, 5, 12, 15	±5, ±12, ±15	--	1.6K	1 X 1"	CE
AM15CW-FZ	9-36, 18-75	3.3, 5, 12, 15	±5, ±12, ±15	--	1.5K	1 X 1"	--
AM15E-Z	9-18, 18-36, 36-72	3.3, 5, 7.2, 9, 12, 15, 18, 24	±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24	--	1.5K	2 X 1"	CE
AM15E-IZ	9-18, 18-36, 36-75	3.3, 5, 12, 15	±5, ±12, ±15	--	1.5K, 3K	2 X 1"	CE
AM15EW-Z	9-36, 18-72	3.3, 5, 12, 15	±5, ±12, ±15	--	1.5K, 3K	2 X 1"	CE
AM15EW-IZ	9-36, 18-75, 36-160	3.3, 5, 12, 15	±5, ±12, ±15	--	1.5K, 3K	2 X 1"	CE
AM15EW-NZ	40-160	3.3, 5, 12, 15, 24	--	--	1.5K	2 X 1"	--
NEW AM15W-NZ	100-1000, 200-1500	12, 15, 24			4K VAC	2.76 x 1.89", 4.92 x 2.95"	CSA
AM15T-Z	9-18, 18-36, 36-75	3.3, 5.1, 12, 15	±5, ±12, ±15	--	1.6K	DIP24	CE
AM15TW-Z	9-36, 18-75	3.3, 5.1, 12, 15	±5, ±12, ±15	--	1.6K	DIP24	CE

20 Watt

SERIES	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	DUAL SEPARATED OUTPUT (VDC)	ISOLATION (VDC)	CASE	SAFETY
AM20C-Z	9-18, 18-36, 36-75	3.3, 5, 12, 15	±12, ±15	--	1.6K	1 X 1"	CE
AM20CW-Z	9-36, 18-75	3.3, 5, 12, 15	±12, ±15	--	1.6K	1 X 1"	CE
AM20CW-FZ	9-36, 18-75	3.3, 5, 12, 15	±12, ±15	--	1.5K	1 X 1"	--
AM20E-Z	9-18, 18-36, 36-75	3.3, 5, 12, 15	±12, ±15	--	1.6K	2 X 1"	CE
AM20EW-Z	9-36, 18-75	3.3, 5, 12, 15	±5, ±12, ±15	--	1.6K	2 X 1"	CE
AM20EW-NZ	9-36, 18-75, 40-160	3.3, 5, 9, 12, 15, 24	±5, ±9, ±12, ±15	--	1.5K	2 X 1"	--



AM15TW-Z DIP24

30 Watt

SERIES	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	TRIPLE OUTPUT (VDC)	ISOLATION (VDC)	CASE	SAFETY
NEW AM30CW-Z	9-36, 18-75	3.3, 5, 12, 15	±12, ±15		1.6K	1 X 1"	
AM30E-Z	9-18, 18-36, 36-75	3.3, 5, 5.1, 12, 15	±5, ±12, ±15	--	1.6K	2 X 1"	CE
AM30EW-Z	9-36, 18-75	3.3, 5, 5.1, 12, 15	±5, ±12, ±15	3.3/±12, 3.3/±15, 5/±12, 5/±15	1.6K	2 X 1"	CE
AM30EW-NZ	9-36, 18-75	3.3, 5, 9, 12, 15, 24	--	--	1.5K	2 X 1"	--
AM30K-IZ	9-18, 18-36, 36-75	3.3, 5, 12, 15, 24	±5, ±12, ±15	--	1.5K, 3K	2 X 1.6"	CE
AM30K-NZ	9-18, 18-36, 36-75	3.3, 5, 12, 15, 24	--	--	1.5K	2 X 1.6"	--
AM30K-Z	9-18, 18-36, 36-75	3.3, 5, 12, 15	±12, ±15	--	1.5K	2 X 1.6"	CE
AM30KW-IZ	9-36, 18-75	3.3, 5, 12, 15, 24	±5, ±12, ±15	--	1.5K, 3K	2 X 1.6"	CE



AM20C-Z 1"x 1"

40 Watt

AM40E-Z	9-18, 18-36, 36-75	3.3, 5, 12, 15	±12, ±15	--	1.6K	2 X 1"	CE
AM40U-IZ	9-18, 18-36, 36-75	3.3, 5, 12, 15, 24	±5, ±12, ±15	--	1.5K, 3K	2 X 2"	CE
AM40UW-Z	9-36, 18-75	3.3, 5, 12, 15	±12, ±15	--	1.6K	2 X 2"	CE
AM40UW-IZ	9-36, 18-75	3.3, 5, 12, 15, 24	±5, ±12, ±15	--	1.5K, 3K	2 X 2"	CE
NEW AM40W-NZ	200-1200, 200-1500	12, 15, 24	--	--	4K, 4K VAC	3.5 x 2.5", 4.92 x 2.95"	CSA



AM30EW-Z 2"x 1"

50 Watt

AM50E-NZ	18-36, 36-75	3.3, 5, 12, 15, 24	--	--	1.5K	2 X 1"	
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AM40U-AZ 2"x 2"

60 Watt

NEW AM60EW-Z	9-36, 18-75	5, 12, 15	--	--	1.6K	2 X 1"	
AM60U-Z	18-36, 36-75	3.3, 5, 12, 15	--	--	1.6K	2 X 2"	CE



Switching Regulators (non-isolated)



SWITCHING REGULATORS ARE REPLACING LINEAR REGULATORS

High Efficiency: up to 96% versus 50% for linear regulators

NO heat sink required: Saves PCB real-estate

NO forced air cooling required: Eliminates need for heat sink

Application Markets:

Fastest growing: green energy initiatives (Energy Star)

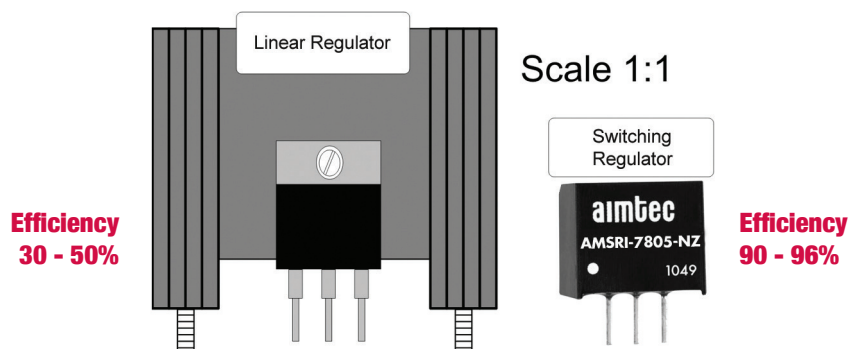
All electronics that have been in production for the last 20 years

Market segments: transportation, industrial, commercial, consumer products, etc.

0.75 to 13 Watt Non-Isolated Switching Regulator

POWER (W)	SERIES	INPUT (VDC)	SINGLE OUTPUT (VDC)	OUTPUT CURRENT MAX (mA)	CASE	SAFETY
0.75 ~ 7.5	AMSR-78-Z	4.75 ~ 34	1.5, 1.8, 2.5, 3.3, 5, 6.5, 7.2, 9, 12, 15	0.5	SIP3	CE
1.65 ~ 7.5	AMSRB-78-Z	4.5 ~ 28	3.3, 5, 12, 15	0.5	SIP3	CE
1.65 ~ 7.5	AMSR-78-NZ	4.75 ~ 32	3.3, 5, 6.5, 9, 12, 15	0.5	SIP3	
1.65 ~ 7.5	AMSRI-78-NZ	4.75 ~ 36	3.3, 5, 9, 12, 15	0.5	SIP3	UL
1.65 ~ 7.5	AMSRL-78-NZ	4.5 ~ 28	3.3, 5, 12, 15	0.5	SMD	
1.65 ~ 7.5	AMSRW-78Z	9 ~ 72	3.3, 5, 6.5, 7.2, 9, 12, 15	0.5	SIP3	CE
1.65 ~ 12	AMSRW-78-NZ	9 ~ 72	3.3, 5, 6.5, 9, 12, 15, 24	0.5	SIP3 (VERTICAL & HORIZONTAL)	
3.3 ~ 12	AMSR1-78-NZ	4.75 ~ 32	3.3, 5, 6.5, 9, 12	1	SIP3 (VERTICAL & HORIZONTAL)	
1.5 ~ 5	AMSR1-78Z	4.75 ~ 18	1.5, 1.8, 2.5, 3.3, 5	1	SIP3	CE
4.95 ~ 9.75	AMSR1.5-78-NZ	4.75 ~ 18	3.3, 5, 6.5	1.5	SIP3 (VERTICAL & HORIZONTAL)	
5 ~ 13	AMSR2-78-NZ	4.75 ~ 18	2.5, 3.3, 5, 6.5	2	SIP3 (VERTICAL & HORIZONTAL)	

NEW

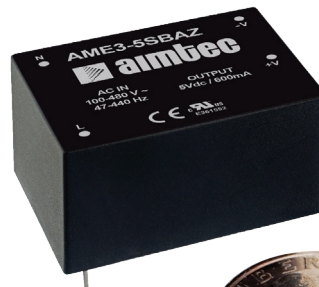




AC/DC Converters (isolated)



Three new series with wide input voltage capability AMEx-AZ Series (1, 2, & 3 Watt) boasts 528 VAC input ideal for building automation systems



AME Series (available in 1, 2 & 3w) - Features the broadest input range of 90 - 528VAC and no minimum load required.



Wide operating temperatures: -40 °C to 80 °C

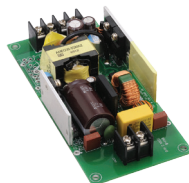
High power density: 5 Watt, 10 Watt and 20 Watt with the same small footprint

Low EMI: suitable for very sensitive telecom applications

High I/O Isolation: up to 4000 VAC



AMES-30-MAZ
Enclosed with
screw terminals



AMEOS40-MAZ
Open frame with
screw terminals



AMEC15-MAZ
Enclosed with
connector package

1 Watt

SERIES	INPUT (VAC/Hz)	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	DUAL ASYMMETRICAL OUTPUT (VDC)	TRIPLE OUTPUT (VDC)	ISOLATION (VAC)	CASE	PACKAGE	SAFETY
AMEOF1-JZ	85-264/47-440	70-400	5, 9, 12, 15, 24	--	--	--	3K	SIP 12	PCB Mount	--
AME1-AZ	90-528/47-440	130-745	3.3, 5, 12, 15, 24	--	--	--	3K	1.4 x 0.92"	PCB Mount	CE, UL
AME1-JZ	85-305/47-63	120-430	3.3, 5, 9, 12, 15, 24	--	--	--	3K	1.33 x 0.87"	PCB Mount	--
AME1-NJZ	165-264/47-63	233-370	5, 12, 15	--	--	--	3K	1.46 x 0.96"	PCB Mount	--

2 Watt

AME2-AZ	90-528/47-440	130-745	3.3, 5, 12, 15, 24	--	--	--	3K	1.4 x 0.92"	PCB Mount	CE, UL
AME2-JZ	85-305/47-63	120-430	3.3, 5, 9, 12, 15, 24	--	--	--	3K	1.33 x 0.87"	PCB Mount	--
AME2-NJZ	165-264/47-63	233-370	5, 12, 15	--	--	--	3K	1.46 x 0.96"	PCB Mount	--



3 Watt

AMEOF3-JZ	85-264/47-440	70-400	3.3, 5, 9, 12, 15, 24	--	--	--	3K	SIP12	PCB Mount	--
AME3-AZ	90-528/47-440	130-745	3.3, 5, 12, 15, 24	--	--	--	3K	1.4 x 0.92"	PCB Mount	CE, UL
AME3-CJZ	85-264/47-63	100-370	3.3, 5, 9, 12, 15, 24	--	--	--	3K	1.46 x 0.96"	PCB Mount	--
AME3-NJZ	165-264/47-63	233-370	5, 12, 15	--	--	--	3K	1.46 x 0.96"	PCB Mount	--

5 Watt

AMEOF5-JZ	85-264/47-63	100-400	3.3, 5, 9, 12, 15, 24	--	--	--	3K	SIP14	PCB Mount	--
AMEL5-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	±5, ±12, ±15	--	--	4K	2 x 1.1"	PCB Mount	CE, UL
AMEL5-AZ	90-305/47-440	130-430	3.3, 5, 12, 15, 24	--	--	--	3K	2 x 1.1"	PCB Mount	CE, UL
AMEL5-CJZ	85-264/47-63	100-370	3.3, 5, 12, 15, 24	--	--	--	4K	2 x 1"	PCB Mount	--
AMEL5-JZ	85-305/47-440	100-430	3.3, 5, 9, 12, 15, 24	--	--	--	4K	2 x 1"	PCB Mount	--
AMEL5-MJZ	85-264/47-63	100-370	5, 12, 15, 24	--	--	--	4K	2.12 x 1.13"	PCB Mount	--
AME5-CJZ	85-264/47-63	120-370	3.3, 5, 9, 12, 15, 24	±5, ±12, ±15, ±24	5/5, 5/12, 5/15, 5/24	5/±5, 5/±12, 5/±15, 5/±24	3K	1.91 x 1.42"	PCB Mount	--
AME5-JZ	85-305/47-63	100-430	3.3, 5, 9, 12, 15, 24	--	--	--	3K	2.17 x 1.77"	PCB Mount	--



10 Watt

SERIES	INPUT (VAC/Hz)	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	DUAL ASYMMETRICAL OUTPUT (VDC)	TRIPLE OUTPUT (VDC)	ISOLATION (VAC)	CASE	PACKAGE	SAFETY
AMEL10-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	--	3.3/15, 3.3/24, 5/12, 5/15, 5/24, 12/15, 12/24, 15/24, -3.3/5, -3.3/12, -3.3/15, -5/5, -5/12, -5/15, -12/12, -12/15	--	4K	2.2 x 1.2"	PCB Mount	CE, UL
AMEL10-AZ	90-305/47-440	130-430	3.3, 5, 12, 15, 24	--	--	--	3K	2.2 x 1.2"	PCB Mount	CE, UL
AMEOW10-NZ	65-460/47-440	90-650	--	--	5.1S/12S	--	4K	4 x 2"	Open frame, PCB Mount	--
AMEL10-MJZ	85-264/47-440	100-370	3.3, 5, 9, 12, 15, 24	--	--	--	4K	2.12 x 1.13"	PCB Mount	--
 AME10-CJZ	85-264/47-63	120-370	3.3, 5, 9, 12, 15, 24	$\pm 5, \pm 12, \pm 15, \pm 24$	5/5, 5/12, 5/15, 5/24	5/±12, 5/±15	3K	2.17 x 1.77"	PCB Mount	CE, UL
 AME10-JZ	85-305/47-63	100-430	3.3, 5, 9, 12, 15, 24	--	--	--	3K	2.17 x 1.77"	PCB Mount	CE, UL

12 Watt



SERIES	INPUT (VAC/Hz)	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	DUAL ASYMMETRICAL OUTPUT (VDC)	ISOLATION (VAC)	CASE	PACKAGE	SAFETY
AMEL12-CJZ	85-264/47-440	100-370	3.3, 5, 15, 24	--	--	4K	2.12 x 1.13"	PCB Mount	--

15 Watt



SERIES	INPUT (VAC/Hz)	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	DUAL ASYMMETRICAL OUTPUT (VDC)	TRIPLE OUTPUT (VDC)	ISOLATION (VAC)	CASE	PACKAGE	SAFETY
AME15-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	--	--	4K	2.6 x 1.8"	PCB Mount	CE, UL
AMES15-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	--	--	4K	3.6 x 2.6"	Metal Enclosed	CE, UL
AMEC15-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	--	--	4K	3.6 x 2.6"	Metal Enclosed	CE, UL
 AME15-CJZ	85-264/47-63	120-370	3.3, 5, 9, 12, 15, 24	$\pm 5, \pm 12, \pm 15, \pm 24$	5/5, 5/12, 5/15, 5/24	5/±5, 5/±12, 5/±15, 5/±24	3K	2.44 x 1.77"	PCB Mount	CE, UL
 AME15-JZ	85-305/47-63	100-430	3.3, 5, 9, 12, 15, 24, 48	--	--	--	3K	2.44 x 1.77"	PCB Mount	CE, UL

AC/DC converters

20 Watt

SERIES	INPUT (VAC/Hz)	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	DUAL ASYMMETRICAL OUTPUT (VDC)	TRIPLE OUTPUT (VDC)	ISOLATION (VAC)	CASE	PACKAGE	SAFETY
AMEL20-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	--	3.3/5, 3.3/12, 3.3/15, 3.3/24, 5/12, 5/15, 5/24, 12/15, 12/24, 15/24, -3.3/5, -3.3/12, -3.3/15, -5/5, -5/12, -5/15, -12/12, -12/15	--	4K	2.2 x 1.2"	PCB Mount	CE, UL
AMEL20-AZ	90-305/47-440	130-430	3.3, 5, 12, 15, 24	--	--	--	3K	2.2 x 1.2"	PCB Mount	CE, UL
 AME20-CJZ	85-264/47-63	120-370	5, 9, 12, 15, 24	±5, ±12, ±15	5/12, 5/15, 5/24	5/±5, 5/±12, 5/±15, 5/±24	3K	2.76 x 1.89"	PCB Mount	CE, UL
 AME20-JZ	85-305/47-63	100-430	3.3, 5, 9, 12, 15, 24	--	--	--	3K	2.76 x 1.89"	PCB Mount	CE, UL



25 Watt

SERIES	INPUT (VAC/Hz)	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	DUAL ASYMMETRICAL OUTPUT (VDC)	ISOLATION (VAC)	CASE	PACKAGE	SAFETY
 AME25-CJZ	85-264/47-63	120-370	3.3, 5, 9, 12, 15, 24, 48	--	--	3K	2.76 x 1.89"	PCB Mount	CE, UL
 AME25-JZ	85-305/47-63	100-430	3.3, 5, 9, 12, 15, 24, 48	--	--	3K	2.76 x 1.89"	PCB Mount	CE, UL


30 Watt

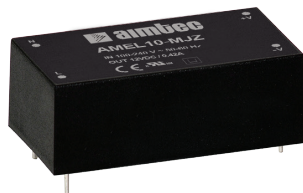
AME30-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	--	4K	3.6 x 2.5"	PCB Mount	CE, UL
AMEOS30-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	--	4K	4.9 x 2.3"	Open frame	CE, UL
AMES30-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	--	4K	4.9 x 2.3"	Metal Enclosed	CE, UL
AMEOC30-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	--	4K	4.9 x 2.3"	Open frame	CE, UL
AMEC30-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	--	4K	4.9 x 2.3"	Metal Enclosed	CE, UL

40 Watt

SERIES	INPUT (VAC/Hz)	INPUT (VDC)	SINGLE OUTPUT (VDC)	DUAL OUTPUT (VDC)	DUAL ASYMMETRICAL OUTPUT (VDC)	ISOLATION (VAC)	CASE	PACKAGE	SAFETY
AME40-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	$\pm 5, \pm 12, \pm 15, \pm 24$	--	4K	3.6 x 2.5"	PCB Mount	CE, UL
AMEOS40-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	$\pm 5, \pm 12, \pm 15, \pm 24$	--	4K	4.9 x 2.3"	Open frame	CE, UL
AMES40-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	$\pm 5, \pm 12, \pm 15, \pm 24$	--	4K	4.9 x 2.3"	Metal Enclosed	CE, UL
AMEOC40-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	$\pm 5, \pm 12, \pm 15, \pm 24$	--	4K	4.9 x 2.3"	Open frame	CE, UL
AMEC40-MAZ	90-264/47-440	130-370	3.3, 5, 12, 15, 24	$\pm 5, \pm 12, \pm 15, \pm 24$	--	4K	4.9 x 2.3"	Metal Enclosed	CE, UL
 AME40-CJZ	85-264/47-440	100-370	3.3, 5, 9, 12, 15, 24	$\pm 5, \pm 12, \pm 15$	5/12, 5/24	3K	3.5 x 2.5"	PCB Mount	CE, UL
 AME40-MJZ	85-264/47-440	120-370	12, 24, 48	--	--	4K	3.5 x 2.5"	PCB Mount	--

60 Watt

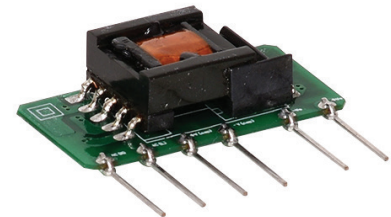
 AME60-MJZ	90-264/47-63	122-370	5, 9, 12, 15, 24, 48	--	--	4K	4.29 x 2.3"	PCB Mount	CE, UL
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AMEL10-MJZ



AME15-MAZ



AMEOF3-JZ



LED Drivers





Another ground-breaking innovation from Aimtec: AC/DC LED drivers that operate at a bone-chilling -55 °C

Indoor or outdoor applications, all weather conditions

Drive a single LED or multiple strings of LEDs

Constant current and constant voltage

Step up and step down converters

Three dimming options

Power factor correction (PFC)

Available with IP67/IP68 submersible rating



AMLDP-Z DIP8



AMLDV-NZ SMD

DC/DC LED Drivers Constant Current (non-isolated)

SERIES	INPUT (VDC)	OUTPUT CURRENT (mA)	OUTPUT VOLTAGE RANGE (VDC)	EFFICIENCY (%)	CASE	DIMMING TYPE	SAFETY
AMLB-Z	9-36	150, 250, 300, 350, 500, 600, 700, 900	14-48	90-94	2 X 1"	PWM & Analog	CE
AMLBW-Z	9-36	150, 250, 300, 350, 500, 600, 700, 900	14-48	90-94	WIRED 2 X 1"	PWM & Analog	CE
AMLD-IZ	5-36	300, 350, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1800, 2000	2-32	95-96	DIP24 & 2 X 1"	PWM & Analog	CE
AMLDV-NZ	5.5-48	300, 350, 500, 600, 700	3.3-36	96	SMD	PWM & Analog	
AMLD-Z	7-60	150, 250, 300, 350, 500, 600, 700, 1000	2-57	97	DIP24	PWM & Analog	CE
AMLD-RZ	9-60	300, 350, 500, 600, 700, 1000	2-56	97	DIP24	PWM & Analog	CE
AMLDW-RZ	9-60	300, 350, 500, 600, 700, 1000	2-56	97	WIRED DIP24	PWM & Analog	CE
AMLDP-Z	7-16	300, 350, 500, 600, 700, 1000	2-14	93	DIP8	PWM & Analog	CE
AMLDL-RZ	7-30	500, 600, 700	2-28	95	DIP14	PWM & Analog	CE
AMLDL-Z	7-30	300, 350, 500, 600, 700, 1000	2-28	95	DIP16	PWM & Analog	CE
AMLDLW-Z	7-30	350, 500, 700, 1000	2-28	95	WIRED DIP16	PWM & Analog	CE

AC/DC LED Drivers



5 Watt

SERIES	INPUT (VAC/Hz)	INPUT (VDC)	OUTPUT CURRENT (A)	OUTPUT VOLTAGE RANGE (VDC)	ISOLATION (VAC)	EFFICIENCY (%)	DIMMING TYPE	CASE	SAFETY
AMEPR5-AZ	90-264/47-440	130-370	0.3, 0.35, 0.36, 0.7, 1	8-16, 6-14, 5-12, 2-6, 3-5	3K	72-79		IP67, 1.14 x Ø1"	CE, UL

8 Watt

AMEPR8D-AZ	90-264/47-440		0.3, 0.4, 0.7	12-24, 9-18, 6-12	3K	74-76	TRIAC	IP67, 2.76 x Ø1"	
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10 Watt

AMEPR10D-AZ	90-264/47-440		0.2, 0.25, 0.3, 0.35, 0.64, 0.7	36-50, 30-40, 24-36, 15-30, 8-15, 5-12	3K	76-81	TRIAC	IP67, 5.3 x 1.3 x 1.2"	CE, UL
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AMEPR5-AZ IP67

15 Watt

AMEPR15D-AZ	90-264/47-440		0.3, 0.35, 0.5, 0.7, 1	36-50, 30-48, 24-36, 12-24, 8-15	3K	79-82	TRIAC	IP67, 5.3 x 1.3 x 1.2"	CE, UL
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25 Watt



AMEPR25D-AZ	90-264/47-440		1	9-24	3K	80-83	Triac	IP67, 5.3 x 1.3 x 1.2"	
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30 Watt

AMEPR30D-AZ	90-264/47-440		0.7, 1, 1.25, 1.4, 2	36-50, 32-42, 24-36, 12-24, 8-15	3K	80-87	TRIAC	IP67, 5.3 x 1.3 x 1.2"	CE, UL
AMEOR30-AZ	90-305/47-440	130-430	0.64, 0.7, 1, 1.4, 2.5	36-50, 36-48, 24-36, 12-24, 5-12	3K	83-86	Resistive	5.8 x 2 x 1.3"	CE, UL
AMEOR30C-AZ	90-305/47-440	130-430	0.64, 0.7, 1, 1.4, 2.5	36-50, 36-48, 24-36, 12-24, 5-12	3K	80-83	Resistive, PWM & 0-10 VDC	5.8 x 2 x 1.3"	CE, UL
AMEPR30-AZ	90-305/47-440	130-430	0.64, 0.7, 1, 1.4, 2.5	36-50, 36-48, 24-36, 12-24, 5-12	3K	83-86	Resistive	IP68, 5.4 x 2.4 x 1.6"	CE, UL
AMEPR30C-AZ	90-305/47-440	130-430	0.64, 0.7, 1, 1.4, 2.5	36-50, 36-48, 24-36, 12-24, 5-12	3K	80-83	Resistive, PWM & 0-10 VDC	IP68, 5.4 x 2.4 x 1.6"	CE, UL



AMEOR30-AZ IP68

60 Watt

SERIES	INPUT (VAC/Hz)	INPUT (VDC)	OUTPUT CURRENT (A)	OUTPUT VOLTAGE RANGE (VDC)	ISOLATION (VAC)	EFFICIENCY (%)	DIMMING TYPE	CASE	SAFETY
AMEOR60-AZ	90-305/47-440	130-430	1.2, 1.66, 2.5, 5	36-50, 12-24, 24-36, 5-12	3K	85-89	Resistive	5.8 x 2 x 1.3"	CE, UL
AMEOR60C-AZ	90-305/47-440	130-430	1.2, 1.66, 2.5, 5	36-50, 12-24, 24-36, 5-12	3K	85-89	Resistive, PWM & 0-10 VDC	5.8 x 2 x 1.3"	CE, UL
AMEPR60-AZ	90-305/47-440	130-430	1.2, 1.66, 2.5, 5	36-50, 12-24, 24-36, 5-12	3K	82-89	Resistive	IP68, 5.4 x 2.4 x 1.6"	CE, UL
AMEPR60C-AZ	90-305/47-440	130-430	1.2, 1.66, 2.5, 5	36-50, 12-24, 24-36, 5-12	3K	85-89	Resistive, PWM & 0-10 VDC	IP68, 5.4 x 2.4 x 1.6"	CE, UL

90 Watt

AMER90-AZ	90-305/47-440	130-430	1.8, 2.5, 3.75	36-50, 12-24, 24-36, 5-12	3K	86-88	Resistive	IP68, 7.1 x 2.3 x 1.8"	CE, UL
AMER90-CAZ	90-305/47-440	130-430	1.8, 2.5, 3.75	36-50, 12-24, 24-36, 5-12	3K	86-88	Resistive	IP68, 7.1 x 2.3 x 1.8"	CE

120 Watt

AMER120-AZ	90-305/47-440	130-430	2.5, 3.4, 5	36-50, 12-24, 24-36, 5-12	3K	86-88	Resistive	IP68, 7.1 x 2.3 x 1.8"	CE, UL
AMER120-CAZ	90-305/47-440	130-430	2.5, 3.4, 5	36-50, 12-24, 24-36, 5-12	3K	86-88	Resistive	IP68, 7.1 x 2.3 x 1.8"	CE

150 Watt

AMER150-AZ	90-305/47-440	130-430	3, 4.16, 6.3	36-50, 12-24, 24-36, 5-12	3K	85-89	Resistive	IP68, 7.1 x 2.3 x 1.8"	CE, UL
AMER150-CAZ	90-305/47-440	130-430	3, 4.16, 6.3	36-50, 12-24, 24-36, 5-12	3K	85-89	Resistive	IP68, 7.1 x 2.3 x 1.8"	CE



AMEPR15D-AZ
IP67, IP20

INPUT (VDC)

160	75	72	48	36	24	18		12	9	5	3.3
				2:1	AM60U-Z						
					AM60EW-Z				4:1		
				2:1	AM50E-NZ						
					AM40UW-Z & AM40UW-IZ				4:1		
AM40W-NZ									7.5:1		
					AM40U-AZ & AM40U-IZ				2:1		
					AM40E-Z				2:1		
					AM30KW-IZ				4:1		
					AM30CW-Z				4:1		
					AM30K-Z, AM30K-NZ & AM30K-IZ				2:1		
					AM30EW-Z & AM30EW-NZ				4:1		
					AM30E-Z				2:1		
					AM20CW-Z & AM20CW-FZ				4:1		
					AM20C-Z				2:1		
					AM20EW-Z & AM20EW-NZ				4:1		
					AM20E-Z				2:1		
					AM15EW-Z, AM15EW-NZ & AM15EW-IZ				4:1		
					AM15E-Z & AM15E-IZ				2:1		
					AM15CW-Z & AM15CW-FZ				4:1		
					AM15T-Z				2:1		
					AM15TW-Z				4:1		
AM15W-NZ									10:1		
					AM15C-Z				2:1		
					AM12E-FZ				2:1		
					AM12TW-Z				4:1		
					AM12T-Z				2:1		
					AM10CW-FZ & AM10CW-NZ				4:1		
AM10W-NZ									10:1		
					AM10C-FZ				2:1		
					AM10TW-Z & AM10TW-IZ				4:1		
					AM10EW-Z & AM10EW-NZ				4:1		
					AM10E-Z				2:1		
					AM10T-IZ				2:1		
					AM8TW-Z & AM8TW-IZ				4:1		
					AM8T-IZ & AM8T-Z				2:1		
					AM6CW-FZ & AM6CW-NZ				4:1		
					AM6C-NZ				2:1		
					AM6Q-Z				2:1		
					AM6G-Z & AM6GH-Z				2:1 & 4:1		
					AM6TW-Z, AM6TW-RZ, AM6TW-VZ, AM6TW-RVZ, AM6TW-NZ & AM6TIW-RZ				4:1		
					AM6T-Z, AM6T-VZ, AM6T-NZ & AM6TI-Z				2:1		
					AM5TW-Z, AM5TW-RZ, AM5TW-VZ & AM5TW-RVZ				4:1		
AM5W-NZ									10:1		
					AM5T-Z, AM5T-FZ & AM5T-VZ				2:1		
					AM4TW-Z, AM4TW-RZ, AM4TW-VZ & AM4TW-RVZ				4:1		
					AM4T-Z & AM4T-VZ				2:1		
								AM4N-Z			
160	75	72	48	36	24	18	15	12	9	5	3.3

INPUT (VDC)

WATT**OUTPUT (VDC)****27****D
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	2.5	3.3	5	7.2	9	12	15	18	24
60		Single							
						Single & Dual			
50		Single							
40		Single & Dual							
						Single			
		Single & Dual							
30		Single & Dual							
		Single & Dual							
		Single & Dual							
		Single, Dual, & Triple							
20		Single & Dual							
		Single & Dual							
		Single & Dual							
		Single & Dual							
15		Single & Dual							
		Single & Dual							
		Single & Dual							
		Single & Dual							
		Single & Dual							
12						Single			
						Single & Dual			
		Single & Dual							
10		Single & Dual							
		Single & Dual							
			Single						
8		Single & Dual							
		Single & Dual							
6					Single & Dual				
						Single & Dual			
						Single & Dual			
					Single & Dual				
5					Single & Dual				
			Single						
					Single & Dual				
4					Single & Dual				
					Single & Dual				
	2.5	3.3	5	7.2	9	12	15	18	24

OUTPUT (VDC)

← INPUT (VDC) →

160	75	72	48	36	24	18		12	9	5	3.3
					AM3TW-Z, AM3TW-RZ, AM3TW-VZ, AM3TW-RVZ, AM3TW-NZ & AM3TIW-RZ				4:1		
					AM3T-RZ, AM3T-Z, AM3T-NZ, AM3T-VZ, AM3T-RVZ, AM3T-PNZ & AM3TI-RZ				2:1		
					AM3Q-Z				2:1		
					AM3LV-NZ				2:1		
					AM3N-D-RZ & AM3N-Z						
					AM3HW-NZ				4:1		
					AM3GW-Z & AM3GH-Z				4:1		
					AM3G-Z & AM3G-NZ				2:1		
					AM3F-Z						
								AM3D-Z			
					AM2Q-Z				2:1		
					AM2LV-NZ				2:1		
					AM2LS-NZ						
								AM2M-NZ			
								AM2L-NZ			
					AM2GH-Z				4:1		
					AM2B-NZ						
								AM2N-NZ			
					AM2F-Z						
					AM2D-Z, AM2D-RZ, AM2DS-Z & AM2DS-NZ			AM2DM-NZ			
					AM2GW-Z & AM2GW-NZ				4:1		
					AM2G-Z				2:1		
					AM2S-Z						
					AM2LW-NZ				4:1		
					AM1MR-Z						
								AM1M-NZ			
								AM1LT-NZ			
					AM1A-Z				2:1		
					AM1L-NZ, AM1L-FZ, AM1LE-NZ & AM1LS-NZ		AM1LR-NZ				
								AM1N-NZ			
					AM1D-Z, AM1DE-Z, AM1D-RZ & AM1D-NZ			AM1DM-NZ			
					AM1PS-Z & AM1PS-NZ						
					AM1P-Z & AM1P-NZ						
					AM1DS-Z & AM1DS-NZ						
					AM1DR-Z, AM1DR-NZ & AM1DR-RZ						
					AM1G-Z & AM1G-NZ				2:1		
					AM1DC-Z						
					AM1SS-Z & AM1SS-NZ						
					AM1S-Z & AM1S-NZ						
					AM1/4S-Z						
								AM1/4LS-NZ			
					AM1/4L-NZ						
160	75	72	48	36	24	18	15	12	9	5	3.3

← INPUT (VDC) →

	2.5	3.3	5	7.2	9	12	15	18	24
3					Single & Dual				
					Single & Dual				
						Single & Dual			
						Single & Dual			
					Single & Dual				
						Single			
						Single & Dual			
						Single & Dual			
					Single				
2					Single & Dual				
					Single & Dual				
					Single				
					Single & Dual				
					Single & Dual & Dual Separated				
						Single & Dual			
						Single			
					Single & Dual				
					Single				
					Single & Dual & Dual Separated				
					Single & Dual				
					Single & Dual				
1.5					Single & Dual				
					Single				
1						Single & Dual			
						Single			
						Single & Dual			
					Single & Dual & Dual Separated				
					Single & Dual				
					Single & Dual & Dual Separated				
						Single & Dual			
					Single & Dual & Dual Separated				
						Single & Dual			
					Single				
					Single & Dual				
					Single & Dual				
						Single			
1/4					Single				
			Single						
		Single & Dual							

Product Comparisons

Series	NRND	MTBF Hrs	Op temp	Derating FL	Input Voltage Range %	Voltage Accuracy %	Line Regulation %	Load Regulation %	Ripple & Noise mV p-p	Switching Freq. Typ. KHz
AM1D-Z		1,300,000	-40 to +85C		±10	±3	±1.2	±10	50	80
AM1D-NZ	X	1,100,000	-40 to +85C		±10	±5	±1.2	±10	75	150
AM1D-RZ		2,000,000	-40 to +85C		±10	±3	±1.2	±6	50	70
AM1DR-Z		880,000	-40 to +85C		±10	±2	±0.5	±0.5	60	125
AM1DR-NZ		900,000	-40 to +85C	71C	±5	±3	±0.25	±1	50	100
AM1DR-RZ		1,500,000	-40 to +85C		±10	±2	±0.5	±0.5	50	50
AM1DS-Z		1,121,000	-40 to +85C		±10	±3	±1.2	±10	75	80
AM1DS-NZ		3,450,000	-40 to +85C		±10	±5	±1.2	±15	60	100 to 300
AM1G-Z		2,732,000	-40 to +85C		2:1	±2	±0.5	±1	50	650
AM1G-NZ		1,000,000	-40 to +100C	85C	2:1	±2	±0.5	±0.6	50	200
AM1L-FZ	X	3,000,000	-40 to +95C		±10	±3	±1.2	±8	100	100
AM1L-NZ	X	980,000	-40 to +85C		±10	±5	±1.2	±10	75	100
AM1P-Z		1,191,000	-40 to +85C		±10	±3	±1.2	±10	100	80
AM1P-NZ	X	1,000,000	-40 to +85C		±10	±5	±1.2	±10	75	150
AM1PS-Z		1,121,000	-40 to +85C		±10	±3	±1.2	±10	100	80
AM1PS-NZ		3,500,000	-40 to +105C	85C	±10	±5	±1.2	±10	60	100 to 300
AM1S-Z		1,191,000	-40 to +85C		±10	±3	±1.2	±10	100	80
AM1S-NZ		1,000,000	-40 to +85C		±10	±5	±1.2	±10	75	150
AM1SS-Z		1,121,000	-40 to +85C		±10	±3	±1.2	±10	100	80
AM1SS-NZ		3,500,000	-40 to +105C	85C	±10	±5	±1.2	±12	60	100 to 300
AM2D-Z		688,000	-40 to +85C		±10	±3	±1.2	±10	75	85
AM2D-RZ		1,900,000	-40 to +85C		±10	±3	±1.2	±5	50	70
AM2GW-Z		1,212,000	-40 to +85C		4:1	±1	±0.5	±0.5	50	250
AM2GW-NZ	X	1,000,000	-40 to +85C		4:1	±3	±0.75	±1.5	100	100 to 550
AM3N-Z		954,000	-40 to +85C		±10	±2	±0.5	±0.5	75	40
AM3N-RZ		3,000,000	-40 to +85C		±10	±2	±0.5	±0.5	75	250
AM3T-NZ		1,000,000	-40 to +85C		2:1	±1	±0.2	±0.2	75	200
AM3T-Z		1,039,000	-40 to +85C		2:1	±1	±0.5	±0.5	60	266
AM3T-RZ		1,121,000	-40 to +85C		2:1	±1	±0.5	±0.5	60	266
AM3T-VZ		2,200,000	-40 to +85C		2:1	±1	±0.5	±0.5	60	100 to 400
AM3T-RVZ		2,200,000	-40 to +85C		2:1	±1	±0.5	±0.5	60	100 to 400

Efficiency up to %	Size	Short Circuit Protection	On / Off Cntl	UL	CE	Notes & Exceptions
80	SIP7	1 sec		Y	Y	UL/CE 60950 Some Models,
82	SIP7	1 sec		Y	Y	UL/CE 60950 Some Models, CSP, +105C, 40KHz on 6000V Isolation Models,
89	SIP7	1 sec			Y	CE EN55022, EN55024, IEC61000-4-2,+3,+4,+6,+8,
70	SIP7	1 sec			Y	CE EN55022, EN55024, IEC61000-4-2,+3,+4,+6,+8, DTM 60950
72	SIP7	1 sec				
68	SIP7	Continuous			DTM	Designed to meet 60950
76	SIP7	Continuous			DTM	Designed to meet 60950
82	SIP7	Continuous				Ripple & Noise 30mV on 3.3/5/12 models
83	SMD	1 sec				12.80 x 11.40 x 7.60 mm 1K models & 15.20 x 11.40 x 7.60 mm other models
83	SMD	1 sec		Y	Y	UL/CE 60950 Some Models, 12.70 x 11.20 x 6.25 mm 1K single models, upto 17.78 x 17.78 x 6.00 mm others
82	DIP8	1 sec			Y	EN55022 & EN55024 IEC61000-4-2(ESD) IEC61000-4-3 Radiated
81	DIP8	1 sec		Y	Y	60950 for single output only
76	DIP8	Continuous			DTM	IEC 60950
82	DIP8	Continuous				±1.5 Line Reg on 3.3v models
78	SIP4	1 sec			Y	EN55022 & EN55024 IEC61000-4-2(ESD) IEC61000-4-3 Radiated
81	SIP4	1 sec		Y	Y	UL & CE 60950 on 1000V models only
76	SIP4	Continuous			DTM	IEC 60950-1
82	SIP4	Continuous				±1.5 Line Reg on 3.3v models
82	SIP7	1 sec			Y	CE EN55022, EN55024, IEC61000-4-2, +4
89	SIP7	1 sec			Y	CE EN55022, EN55024, IEC61000-4-2,+3,+4,+6,+8,
89	SIP7	Continuous			DTM	CE EN55022, EN55024, IEC61000-4-2, +4
85	SIP9	Continuous	Y		Y	CE EN55022, EN55024, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
82	SIP9	Continuous	Y			
84	SIP8	Continuous	Y			
74	DIP24	Continuous			Y	DIP24 (12 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8,
80	DIP24	Continuous			Y	DIP24 (12 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8,
78	DIP24	Continuous				DIP24 (8 pin)
82	DIP24	Continuous				DIP24 (12, 13, 14 pin)
82	DIP24	Continuous			Y	DIP24 (8 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
82	DIP24	Continuous			DTM	DIP24 (12 pin), CE DTM 60950
82	DIP24	Continuous			DTM	DIP24 (8 pin)

NOTE: NRND (Not Recommended for New Design)

Product Comparisons

Series	NRND	MTBF Hrs	Op temp	Derating FL	Input Voltage Range %	Voltage Accuracy %	Line Regulation %	Load Regulation %	Ripple & Noise mV p-p	Switching Freq. Typ. KHz
AM3T-PNZ		1,000,000	-40 to +85C		2:1	±1	±0.2	±0.2	80	200
AM3TW-Z		1,222,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	250
AM3TW-RZ		1,050,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	260
AM3TW-VZ		2,200,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	100 to 400
AM3TW-RVZ		2,200,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	100 to 400
AM3TW-NZ		1,000,000	-40 to +85C	71C	4:1	±1	±0.2	±0.2	45	250
AM4T-Z		1,121,000	-40 to +85C	60C	2:1	±1	±0.5	±0.5	60	266
AM4T-VZ		2,200,000	-40 to +85C		2:1	±1	±0.5	±0.5	60	100 to 400
AM4TW-Z		960,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	260
AM4TW-RZ		1,050,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	260
AM4TW-VZ		2,200,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	100 to 400
AM4TW-RVZ		2,200,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	100 to 400
AM5T-Z		1,121,000	-40 to +85C	60C	2:1	±1	±0.5	±0.5	60	266
AM5T-FZ	X	700,000	-40 to +85C	71C	2:1	±1	±0.5	±0.5	150	150
AM5T-VZ		2,200,000	-40 to +85C		2:1	±1	±0.5	±0.5	60	100 to 400
AM5TW-Z		960,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	260
AM5TW-RZ		1,050,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	260
AM5TW-VZ		2,200,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	100 to 400
AM5TW-RVZ		2,200,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	100 to 400
AM6CW-FZ		1,000,000	-40 to +85C	60C	2:1	±2	±0.5	±0.5	80	300
AM6CW-NZ		1,000,000	-40 to +85C	71C	2:1	±2	±0.5	±1	100	300
AM6T-Z		1,121,000	-40 to +85C	60C	2:1	±1	±0.5	±0.5	60	266
AM6T-VZ		2,200,000	-40 to +85C		2:1	±1	±0.5	±0.5	60	100 to 400
AM6T-NZ		1,000,000	-40 to +85C	71C	2:1	±1	±0.5	±0.5	80	300
AM6TW-Z		960,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	260
AM6TW-RZ		1,050,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	260
AM6TW-VZ		2,200,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	100 to 400
AM6TW-RVZ		2,200,000	-40 to +85C		4:1	±1	±0.5	±0.5	60	100 to 400
AM6TW-NZ		1,000,000	-40 to +85C	71C	4:1	±3	±0.5	±0.5	120	300
AM8T-Z		1,121,000	-40 to +85C	55C	2:1	±1	±0.5	±0.5	75	330
AM8T-IZ		800,000	-40 to +75C	70C	2:1	±2	±0.5	±0.5	120	300
AM8TW-Z		1,000,100	-40 to +85C	70C	4:1	±1	±0.2	±0.5	75	270
AM8TW-IZ		800,000	-40 to +75C	70C	4:1	±2	±0.5	±0.5	120	300

Efficiency up to %	Size	Short Circuit Protection	On / Off Cntl	UL	CE	Notes & Exceptions
86	DIP24	Continuous			DTM	DIP24 (10 pin)
82	DIP24	Continuous				DIP24 (12 pin)
82	DIP24	Continuous			Y	DIP24 (8 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
79	DIP24	Continuous			DTM	DIP24 (12 pin), CE DTM 60950
79	DIP24	Continuous			DTM	DIP24 (8 pin), CE DTM 60950
83	DIP24	Continuous			DTM	DIP24 (7 pin), CE DTM EN55022, IEC61000-4-2,+3,+4, +5, +6,+29
85	DIP24	Continuous			Y	DIP24 (8 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
80	DIP24	Continuous			DTM	DIP24 (12 pin), CE DTM 60950
83	DIP24	Continuous			Y	DIP24 (12 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
83	DIP24	Continuous			Y	DIP24 (8 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
75	DIP24	Continuous			DTM	DIP24 (12 pin), DTM CE 60950
75	DIP24	Continuous			DTM	DIP24 (8 pin), CE DTM 60950
83	DIP24	Continuous			Y	DIP24 (8 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
85	DIP24	Continuous				DIP24 (9 pin) ripple & noise can be upto 200mV
80	DIP24	Continuous			DTM	DIP24 (12 pin), DTM CE 60950
84	DIP24	Continuous			Y	DIP24 (12 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
84	DIP24	Continuous			Y	DIP24 (8 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
82	DIP24	Continuous			DTM	DIP24 (12 pin), CE DTM 60950
82	DIP24	Continuous			DTM	DIP24 (8 pin), CE DTM 60950
85	1 x 1"	Continuous	Y			
88	1 x 1"	Continuous			Y	CE EN55022, class B & CE DTM 60950
85	DIP24	Continuous			Y	DIP24 (8 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
81	DIP24	Continuous			DTM	DIP24 (12 pin), CE DTM 60950
89	DIP24	Continuous			Y	DIP24 (8 pin), CE EN55022, class A & EN60950
85	DIP24	Continuous			Y	DIP24 (12 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
85	DIP24	Continuous			Y	DIP24 (8 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
79	DIP24	Continuous			DTM	DIP24 (12 pin), CE DTM 60950
82	DIP24	Continuous			DTM	DIP24 (8 pin), CE DTM 60950
88	DIP24	Continuous			DTM	DIP24 (8 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+29
85	DIP24	Continuous			Y	DIP24 (8 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8 & CE 60950
88	DIP24	Continuous			Y	DIP24 (8 pin), CE EN55022, EN55024, IEC61000-4-2,+3,+4,+6,+8,
87	DIP24	Continuous	Y		Y	DIP24 (9 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8
84	DIP24	Continuous			Y	DIP24 (8 pin), CE EN55022, IEC61000-4-2,+3,+4, +6,+8

Product Comparisons

Series	NRND	MTBF Hrs	Op temp	Derating FL	Input Voltage Range %	Voltage Accuracy %	Line Regulation %	Load Regulation %	Ripple & Noise mV p-p	Switching Freq. Typ. KHz
AM10TW-Z		1,000,000	-40 to +85C	60C	4:1	±1.2	±0.5	±1	85	270
AM10TW-IZ		700,000	-40 to +75C	50C	4:1	±2	±0.5	±0.5	80	300
AM10EW-Z		1,121,000	-40 to +85C		4:1	±1	±0.5	±0.5	75	300
AM10EW-NZ		1,000,000	-40 to +85C	71C	4:1	±1	±0.2	±0.5	100	350
AM15CW-Z		560,000	-40 to +85C	55C	4:1	±1	±0.2	±0.5	100	375
AM15CW-FZ		1,580,000	-40 to +85C	63C	4:1	±1	±1	±1	80	330
AM15E-Z		1,121,000	-40 to +85C	70C	2:1	±1	±0.5	±0.5	100	200
AM15E-IZ		800,000	-40 to +85C	50C	2:1	±2	±0.5	±0.5	120	200
AM15EW-Z		1,121,000	-40 to +85C	60C	4:1	±1	±0.5	±0.5	75	300
AM15EW-IZ		800,000	-40 to +85C	50C	4:1	±2	±0.5	±0.5	120	200
AM15EW-NZ		1,000,000	-40 to +85C	60C	4:1	±3	±0.5	±1	100	300
AM20CW-Z		560,000	-40 to +75C	55C	4:1	±1	±0.5	±0.5	100	330
AM20CW-FZ		350,000	-40 to +85C	60C	4:1	±1	±1	±1	80	330
AM20EW-Z		560,000	-40 to +85C	65C	4:1	±1	±0.5	±0.5	75	330
AM20EW-NZ		1,000,000	-40 to +85C	55C	4:1	±3	±0.2	±0.5	100	270 & 300
AM30EW-Z		450,000	-40 to +85C	50C	4:1	±1	±0.2	±0.5	100	330
AM30EW-NZ		1,000,000	-40 to +85C	55C	4:1	±1	±0.2	±0.5	100	300
AM30K-Z		1,000,000	-40 to +85C	60C	2:1	±5	±5	±0.5	75	270
AM30K-NZ		1,000,000	-40 to +85C	71C	2:1	±1	±0.2	±0.5	100	300
AM30K-IZ		550,000	-40 to +85C	40C	2:1	±2	±0.5	±0.5	120	250
AM40U-AZ		1,500,000	-40 to +85C	55C	2:1	±2	±1	±2	75	300
AM40U-IZ		1,500,000	-40 to +75C	45C	2:1	±2	±0.5	±0.5	80	250
AM40UW-Z		1,500,000	-40 to +85C	55C	4:1	±1	±0.5	±0.5	150	270
AM40UW-IZ		1,500,000	-40 to +75C	45C	4:1	±2	±0.5	±0.5	80	250

Efficiency up to %	Size	Short Circuit Protection	On / Off Cntl	UL	CE	Notes & Exceptions
88	DIP24	Continuous	Y		Y	DIP24 (9 pin), CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
83	DIP24	Continuous		P		DIP24 (8 pin), Pending UL EN55022, Class A EN55024
85	2x1	Continuous	Y		Y	CE EN55022, IEC61000-4-2,+3,+4, +6,+8, & CE DTM 60950
86	2x1	Continuous		DTM		DTM CE 60950
89	1x1	Continuous	Y		Y	CE EN55022, IEC61000-4-2,+3,+4,+5,+6,+8, & CE DTM 60950
89	1x1	Continuous	Y			
88	2x1	Continuous			Y	CE EN55022, IEC61000-4-2,+3, & CE DTM 60950
88	2x1	Continuous	Y		Y	EN 55022, EN 55024 class B
86	2x1	Continuous	Y		Y	CE EN55022, IEC61000-4-2,+3,+4, +6,+8, & CE DTM 60950 & Heatsink Option
85	2x1	Continuous	Y		Y	CE EN55022, IEC61000-3-2, +3, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
89	2x1	Continuous	Y		DTM	CE EN55022, class B & CE DTM 60950
90	1x1	Continuous	Y		Y	CE EN55022, IEC61000-4-2,+3,+4,+5,+6,+8, & CE DTM 60950
91	1x1	Continuous	Y			
91	2x1	Continuous	Y		Y	CE EN55022, IEC61000-4-2,+3,+4, +6,+8, & CE DTM 60950 & Heatsink Option
90	2x1	Continuous	Y		DTM	CE EN55022, class B & CE DTM 60950
91	2x1	Continuous	Y		Y	CE EN55022, IEC61000-4-2,+3,+4, +6,+8, & CE DTM 60950 & Heatsink Option
90	2x1	Continuous	Y		DTM	CE EN55022, class B & CE DTM 60950
91	2x1.6	Continuous	Y		Y	Trim feature CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950 & Heatsink option
90	2x1.6	Continuous	Y			Trim feature
88	2x1.6	Continuous	Y		Y	Trim feature EN 55022, EN 55024 class A
89	2x2	Continuous	Y		DTM	Trim feature, DTM IEC 60950-1:2001 and EN55022:2006 + A1:2007, Class B
87	2x2	Continuous	Y		Y	Trim feature, EN55022 Class A, IEC61000-4-2,+3, +6,+8,
92	2x2	Continuous	Y		Y	Trim feature, Heatsink Option, CE EN55022, IEC61000-4-2,+3,+4, +5, +6,+8, & CE DTM 60950
83	2x2	Continuous	Y		Y	Trim feature, EN55022 Class A, IEC61000-4-2,+3, +6,+8,

AC-DC Converter Comparisons

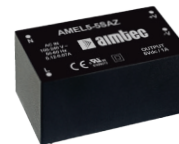
Series	Output	Case
1 Watt		
AME1-AZ	Single	1.4 x 0.92"
AME1-JZ	Single	1.33 x 0.87"
AME1-NJZ	Single	1.46 x 0.96"
2 Watts		
AME2-AZ	Single	1.4 x 0.92"
AME2-JZ	Single	1.33 x 0.87"
AME2-NJZ	Single	1.46 x 0.96"
3 Watts		
AME3-AZ	Single	1.4 x 0.92"
AME3-CJZ	Single	1.46 x 0.96"



AME3-BAZ

AC-DC Converter Comparisons

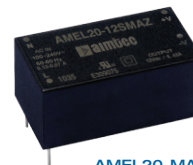
Series	Input voltage	Case	I/O isolation	Medical certification
5 Watts				
AMEL5-MAZ	90-264VAC	2 x 1.1"	4KVAC	YES
AMEL5-AZ	90-305VAC	2 x 1.1"	3KVAC	NO
AMEL5-CJZ	85-264VAC	2 x 1"	4KVAC	NO
AMEL5-JZ	85-305VAC	2 x 1"	4KVAC	NO
AMEL5-MJZ	85-264VAC	2.12 x 1.13"	4KVAC	NO
10 Watts				
AMEL10-MAZ	90-264VAC	2.2 x 1.2"	4KVAC	YES
AMEL10-AZ	90-305VAC	2.2 x 1.2"	3KVAC	NO
AMEL10-MJZ	85-264VAC	2.12 x 1.13"	4KVAC	YES
20 Watts				
AMEL20-MAZ	90-264VAC	2.2 x 1.2"	4KVAC	YES
AMEL20-AZ	90-305VAC	2.2 x 1.2"	3KVAC	NO



AMEL5-SAZ



AMEL10-MJZ



AMEL20-MAZ

Aimtec power supplies are everywhere...

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3D imaging equipment
Access control systems
Actuator for motion control systems
Analog to digital audio/video converters
Athletic performance evaluation systems
ATM machines
Automated dispatching and control systems
Automated payment machines
Automatic controls for amusement park rides
Automatic door systems
Automation systems
Automotive
Battery charging stations for cars
Battery management systems
Burner controls
Cabin lighting in trains
Cardiac mapping devices
Cash registers terminals
Commercial alarm systems
Commercial paper shredders
Commercial TV displays
Compressor controllers
Control panels for manufacturing equipment
Control panels for truck mounted cranes
Control prototyping system
Control systems in automotive gas stations
Control systems in oil industry
Control panels for cooking stoves
Data acquisition and transmission systems
Dental Equipment
Digital simulators
Digital video cameras
Dishwashers
Electric car chargers
Electric energy metering systems (AMR)
Electric motor controllers
Electrical meters
Electrical monitoring relays
Elevator controls
Endoscope
Fluid metering systems
Forestry equipment
Fuel level sensors
Gas analyzers
Gas meters
Ground fault monitors
Head-end equipment for broadcasting
High Frequency RF Generators
Home automation systems
HVAC controllers
Induction cookers
Industrial automation equipment
Industrial battery chargers

Industrial Cathodic Protection System
Industrial controllers
Industrial Cyber-Physical Systems
Industrial Ethernet Switches
Industrial instrumentation
Industrial laser and ultrasonic systems
Industrial scales
Industrial signal control
Industrial telecommunication systems
Industrial thermal mass flow meters
Industrial ventilation systems
Industrial Voltmeters
Intercom systems
IP modems
Keypad Controllers
Laser Control Board
Laser cutters
Laser measurement devices
LED architectural lighting
LED billboards
LED lighting in underground applications
LED lights within control panels
LED security lighting
LED street lights
LED traffic lights
LED industrial lighting
LED pool lighting systems
LNA modules
Machine to machine communication
Manufacturing control systems
Media encoders
Medical devices
Microbalance scales
Micro-computer monitoring systems
Microcontrollers
Microwave ovens
Moisture control & measurement equipment
Motor controllers
Motorized wheelchairs
Motors for rolling shutters
Multimedia game consoles
Nautical LED lighting applications
Network servers
Ophthalmology/Optomety devices
Packaging equipment
Perfusion pumps
Photovoltaic systems
Portable air conditioners
Portable audio amplifiers
Positive train control systems
Postage meters
Pulse input modules
Radio frequency dermatology devices

Railway onboard equipment
Railway signaling systems
Refrigerators
Remote broadcast systems
Remote controllers for lighting systems
Residential and commercial alarm systems
Retail anti-theft alarm systems
Robotic manufacturing equipment
Satellite systems
Self-serve gas pumps
Set top boxes
Signal testing systems for cable television
Smart room controllers
Smart TVs
Solar control units
Solar inverters
Solar LED lighting fixtures
Solar panels
Solar Tracking System
Submersible pumps
Surge protection power bars
Swimming pool lighting systems
Telemechanics cabinets
Telemetry Modems
Temperature sensors
Test and measurement devices
Textile equipment
Therapeutic laser and sonograph devices
Traffic management systems
Traffic Sensors
Transducer Conditioner Amplifiers
Transportation terminal display boards
Trimix Analyzer
Ultrasonic cleaning devices
Uninterrupted power supplies (UPS)
USB Oscilloscope
Vending machines
Video projectors
Video servers
Water quality monitoring equipment
Water treatment systems
Welding control units
Whirlpool/hot tub systems
Wi-Fi Routers
Wind turbines
Wireless comm. devices (GSM/GPRS)
Wireless comm. equipment for street lights
Wireless USB modules
X-Ray equipment
X-Ray generators



What makes Aimtec different...

We design and manufacture unique products with distinctive features such as our AC/DC converters with an ultra-wide input range of **90-528VAC** to our DC/DC **Photovoltaic Series** featuring 100-1000, 200-1200 and 200-1500VDC input ranges.

Our product line ranges from 1/4Watt to 150Watt, over **26 package types**, and includes one of the industry's largest selections within the **1 to 3 Watt** range.

Our AC/DC, DC/DC **LED Drivers** operate in constant current or constant voltage mode at a bone chilling **-55 °C**.

Many of our products carry CE and UL certifications and feature an extended operating temperature range of up to 105 to 125 °C, with some reaching cold start temperature as low as -55 °C.

We provide outstanding technical and client **support** worldwide – in several languages – always within 24 hrs.

Aimtec's strong corporate culture is based on a unique mixture of technical vision, innovation and a strong commitment to **surpassing** our clients' expectations.

Value

Delivering products that provide exceptional performance and reliability at very affordable prices is how Aimtec defines its value proposition. Aimtec's power supplies are designed and manufactured to perform, period. The company **guarantees** the performance and reliability of its AC/DC and DC/DC converters with a two year manufacturer's warranty and a number of its LED drivers with a five year manufacturer's warranty.

Selection

With one of the widest selections of low-to-mid range power converters from 0.25 Watts to 150 Watts, Aimtec offers one of the **industry's largest** product offerings within the 1 watt to 3 watt range.

Lead Time

With standard lead times for product orders of 6 to 8 weeks, complimented by a global network of **stocking distributors** who fulfill sample quantities for most models, Aimtec offers one of the shortest lead times in the industry.

Design

The depth and expertise of Aimtec's electronic design capabilities allow it to deliver highly integrated power supplies that provide energy efficient, cost-effective solutions for a multitude of applications. Aimtec's power converters are renowned for being reliable, robust products that are best in their class for their technical parameters and their **quality/cost ratio** and for exceeding industry norms in terms of features, performance, safety standards and power density.

Support

Aimtec works with a distribution network in over 102 regions **worldwide** to better support and services its clients' individual needs.



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