



Your Power Partner

Application Guide

Volume 2



Medical



Industrial



Lighting



Transportation



Renewable Energy



IoT



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Legend

Term	Definition
OCP	Over Current Protection
SCP	Short Circuit Protection
CSP	Continuous Short Circuit Protection
OVP	Over Voltage Protection
OLP	Over Load Protection
QB	Quarter Brick
HB	Half Brick



Transportation

Railroad

- LED displays
- Audio amplifiers
- Safety monitors
- Lighting
- Communication systems

Key Features

- Nominal Input Voltage 110VDC
- Industrial temp: -40 to 85°C
- Encapsulated packages for withstanding shock and vibration
- High Isolation between circuits



AM20EW-NZ

Automotive

- Navigation systems
- Communication systems
- Entertainment systems

Key Features

- Sensing
- Industrial temp. range: -55 to 125°C
- Remote On/Off
- Over temperature protection
- Encapsulated packages for withstanding shock and vibration
- High Isolation between circuits



AM50QB-NZ

Electric Car Chargers

- Charging system
- Communication system
- Payment system

Key Features

- 480V input for fast charging
- Overcurrent protection
- High Isolation between circuits



AM150HB-NZ



Railroad - DC/DC Converters

Series	Power (W)	Input (VDC)	Single Output (VDC)	Dual Output (VDC)	Operating Temperature (°C)	Isolation (VDC)	Case	Safety
AM6CW-110xxSH22-NZ	6	40-160	5, 12, 15, 24	-	-40 to +85	2.25k	1 x 1", metal encapsulated	CE, UL
AM8TW-110xx-SH30Z	8	42-176	3.3, 5, 12, 15	±5, ±12, ±15	-40 to +105	3k VDC	DIP24, metal encapsulated	CE
AM10EW-110xxSH22-NZ	10	40-160	5, 12, 15, 24	-	-40 to +76	2.25k	2 x 1", metal encapsulated	CE
AM15EW-110xxSH22-NZ	15	40-160	3.3, 5, 12, 15, 24	-	-40 to +105	2.25k	2 x 1", metal encapsulated	CE
AM20EW-110xxSH22-NZ	20	40-160	5, 12, 15, 24	-	-40 to +85	2.25k	2 x 1", metal encapsulated	CE, UL
AM20CWR-ZK	20	13-176	3.3, 5, 12, 15	-	-40 to +100	3k	1 x 1"	CE
AM25EUW-ZK	25	16-160	5, 12, 15, 24	-	-40 to +100	3k	2 x 1"	CE
AM50QB-NZ	50	66-160	5, 12, 15, 24	-	-40 to +85	3k	QB	CE
AM75QB-NZ	75	66-160	5, 12, 15, 24	-	-40 to +85	3k	QB	CE
AM100QB-NZ	100	66-160	12, 15, 24	-	-40 to +85	3k	QB	CE
AM150QB-NZ	150	18-75	5, 12, 15, 24, 48	-	-40 to +85	2.25k	QB	CE
AM150HB-NZ	150	66-160	12, 15, 24	-	-40 to +85	3k	HB	CE
AM200QB-NZ	200	18-75	5, 12, 15, 24	-	-40 to +85	2.25k	QB	CE



Electric Car Chargers - AC/DC Converters

Series	Power (W)	Input (VAC)	Single Output (VDC)	Operating Temperature (°C)	Isolation (VAC)	Dimensions	Features	Safety
AME3-BJZ	3	90-528	3.3, 5, 9, 12, 15, 24	-40 to +70	3k	2 x 1"	OCP, CSP	CE, UL
AMEOF3-BJZ	3	90-528	3.3, 5, 9, 12, 15, 24	-40 to +70	3k	Open Frame SIP	OCP, CSP	CE, UL
AMEOF5-BJZ	5	90-528	3.3, 5, 9, 12, 15, 24	-40 to +85	4k	Open Frame SIP	OCP, CSP	CE, UL
AME10-BJZ	10	90-528	3.3, 5, 9, 12, 15, 24	-40 to +85	4k	62.0 x 45.0"	OCP, CSP	CE, UL
AME20-BJZ	20	90-528	3.3, 5, 9, 12, 15, 24	-40 to +85	4k	70.0 x 48.0"	OCP, CSP	CE, UL

Switching Regulators

Series	Input (VDC)	Single Output (VDC)	Output Current (A)	Operating Temperature (°C)	Isolation (VDC)	Case	Safety
AMSRI1-NZ	6-36	-15, -12, -5, 3.3, 5, 9, 12, 15	1	-40 to +85	-	SIP3	CE, UL
AMSRL1-JZ	4.75-36	1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12	1	-40 to +85	-	SMD	CE
AMSRB1-JZ	6-36	3.3, 5, 9, 12, 15	1	-40 to +85	-	SIP3	CE
AMSR2-JZ	6-36	3.3, 5, 9, 12, 15	2	-40 to +85	-	SIP3	CE



Renewable Energy

Photovoltaic Systems

Power generators
Charge controllers
Inverters

Key Features

Ultra wide input voltage range
High Isolation between circuits
Cold startup temperature: -40°C
OLP, Continuous SCP

Wind Turbines

Turbine generators
Charge controllers
Inverters

Key Features

Ultra wide input voltage range
High Isolation between circuits
Cold startup temperature: -40°C
OLP, Continuous SCP

Fast Power Transfer

IGBT drivers
SiC drivers

Key Features

Extremely low Isolation capacitance
High Isolation between circuits

Fast Power Transfer - DC/DC Converters

Series	Power (W)	Input (VDC)	Output (VDC)	Operating Temperature (°C)	Isolation	Case	Isolation Capacitance (pF)
AM1DC-Z	1	5, 9, 12, 15, 24	15/-9	-40 to +85	6k VDC	SIP7	10
AM1DG-NZ	1	12, 15, 24	15/-8.7, 9, 9/-9, 17/-8.7, 15/-8	-40 to +105	3k VDC	SIP7	6.6
AM2DG-NZ	2	12, 24, 48	15/-8.7, 15/-3.5	-40 to +105	3.5k VAC	SIP7	3.5-6
AM3DG-NZ	3	15	20/-4	-40 to +105	3.5k VAC	SIP7	3.5
AM5TG-NZ	5	12, 24	15/-9	-40 to +85	3k VDC	DIP24	100
AM5NG-NZ	5	15	15/-9	-40 to +85	4k VAC	DIP24	3



Photovoltaic Systems and Wind Turbines - DC/DC Converters

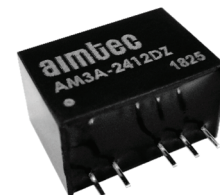
Series	Power (W)	Input (VDC)	Output (VDC)	Operating Temperature (°C)	Isolation (VAC)	Dimensions (In)	Features
AM5W-NZ	5	100-1000	5	-40 to +70	4k	2.76 x 1.89	CSP, OCP, OVP, Reversed connection protection
AM10W-NZ	10	100-1000 200-1500	5, 9, 24	-40 to +70	4k	2.76 x 1.89 4.92 x 2.95	CSP, OCP, OVP, Reversed connection protection
AM10WM-NZ	10	200-1500	5	-25 to +70	4k	4.92 x 2.95	CSP, OCP, OVP, Reversed connection protection
AM15W-NZ	15	100-1000 200-1500	12,15, 24	-40 to +70	4k	2.76 x 1.89 4.92 x 2.95	CSP, OCP, OVP, Reversed connection protection
AM15WM-NZ	15	200-1500	12,15, 24	-25 to +70	4k	4.29 x 2.30	CSP, OCP, OVP, Reversed connection protection
AM40W-NZ	40	200-1200 200-1500	12,15, 24	-40 to +70	4k VDC	3.5 x 2.5 4.92 x 2.95	CSP, OCP, OVP, Reversed connection protection
AM45W-NST	45	150-1500	15/15	-40 to +85	4k	5.69 x 4.13	CSP, OCP, OVP, Reversed connection protection



AM45W-NST



AM40W-NZ



AM3A-Z



Life Support Key Features

Ultra-small leakage current
2 x MOOPP

Medical

Non-Life Support Key Features

Small leakage current
2 x MOOP/1 x MOPP

Medical Converters

Series	Power (W)	Input (VAC)	Single Output (VDC)	Dual Output (VDC)	Operating Temperature (°C)	Isolation (VAC)	Dimensions	Features	Means of Protection	Safety
AM1DM-NZ	1	3-26	3.3, 5, 12, 24	±5, ±9, ±12, ±15	-40 to +85	4.2k	SIP7	SCP	2 X MOOP	CE, UL
AM2DM-NZ	2	5-26	5, 12, 24	±5, ±9, ±12, ±15	-40 to +85	4.2k	SIP7	SCP	2 X MOOP	CE, UL
AM2L-NZ	2	5, 12, 24	5, 15	-	-40 to +85	6k VDC	SMD	SCP/CSP	-	CE
AMEL5-MJZ	5	85-264	5, 12, 15, 24	-	-25 to +70	4k	2.12 x 1.13"	CSP	2 X MOPP	CE, UL
AMEL5-MAZ	5	90-264	3.3, 5, 12, 15, 24	±5, ±12, ±15	-40 to +95	4k	2.03 x 1.1"	CSP	2 x MOOP	CE, UL
AM10TWM-YZ	10	9-36, 18-75	3.3, 5, 12, 15	±5, ±12, ±15	-400 to +100	5k	0.79 x 1.24"	CSP	-	-
AMEL10-MJZ	10	85-264	3.3, 5, 12, 15, 24	-	-25 to +70	4k	2.11 x 1.13"	CSP	2 X MOPP	CE, UL
AMEL10-MAZ	10	90-264	3.3, 5, 12, 15, 24	-5/5, ±3.3/5, ±3.3/12, ±3.3/15, 3.3/24, ±5/12, ±5/15, 5/24, -12/12, ±12/15, 12/24, 15/24	-40 to +70	4k	2.22 x 1.21"	CSP	2 x MOOP	CE, UL
AME15-MJZ	15	85-264	5, 12, 15, 18, 24	-	-40 to +70	4k	2.44 x 1.77"	CSP	2 X MOPP	CE, UL
AMEC15-MAZ	15	90-264	3.3, 5, 12, 15, 24	±5, ±12, ±15	-40 to +80	4k	3.62 x 2.56"	SCP, OLP, OVP	2 x MOOP	CE, UL



Medical Converters

Series	Power (W)	Input (VAC)	Single Output (VDC)	Dual Output (VDC)	Operating Temperature (°C)	Isolation (VAC)	Dimensions	Features	Means of Protection	Safety
AME15-MAZ	15	90-264	3.3, 5, 12, 15, 24	±5, ±12, ±15	-40 to +85	4k	2.56 x 1.83"	SCP, OLP, OVP	2 x MOOP	CE, UL
AMEL20-MAZ	20	90-264	3.3, 5, 12, 15, 24	-5/5, ±3.3/5, ±3.3/12, ±3.3/15, 3.3/24, ±5/12, ±5/15, 5/24, -12/12, ±12/15, 12/24, 15/24	-40 to +70	4k	2.22 x 1.21"	CSP	2 x MOOP	CE, UL
AME25-MJZ	25	85-264	5, 12, 15, 18, 24	-	-40 to +70	4k	2.75 x 1.84"	OLP, OVP	2 X MOPP	CE, UL
AME30-MAZ	30	90-264	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	-40 to +85	4k	3.56 x 2.48"	CSP, SCR	2 x MOOP	CE, UL
AMEC30-MAZ	30	90-264	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	-40 to +80	4k	4.92 x 2.56"	SCP, OLP, OVP	2 x MOOP	CE, UL
AMEOS30-MAZ	30	90-264	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	-40 to +85	4k	4.92 x 2.32"	SCP, OLP, OVP	2 x MOOP	CE, UL
AMEOC30-MAZ	30	90-264	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	-40 to +85	4k	4.92 x 2.32"	SCP, OLP, OVP	2 x MOOP	CE, UL
AME40-MAZ	40	90-264	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	-40 to +85	4k	3.56 x 2.48"	SCP, OLP, OVP	2 x MOOP	CE, UL
AMEC40-MAZ	40	90-264	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	-40 to +85	4k	4.92 x 2.56"	SCP, OLP, OVP	2 x MOOP	CE, UL
AMEOC40-MAZ	40	90-264	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	-40 to +85	4k	4.92 x 2.32"	SCP, OLP, OVP	2 x MOOP	CE, UL
AMEOS40-MAZ	40	90-264	3.3, 5, 12, 15, 24	±5, ±12, ±15, ±24	-40 to +85	4k	4.92 x 2.32"	SCP, OLP, OVP	2 x MOOP	CE, UL



IoT

Remote Control Systems

Automatic garage doors
 Interior lighting
 Alarms
 Fire detectors
 HVAC
 Energy meters
 Water meters
 Gas meters
 Building Controls
 Exterior Lighting

Elevators

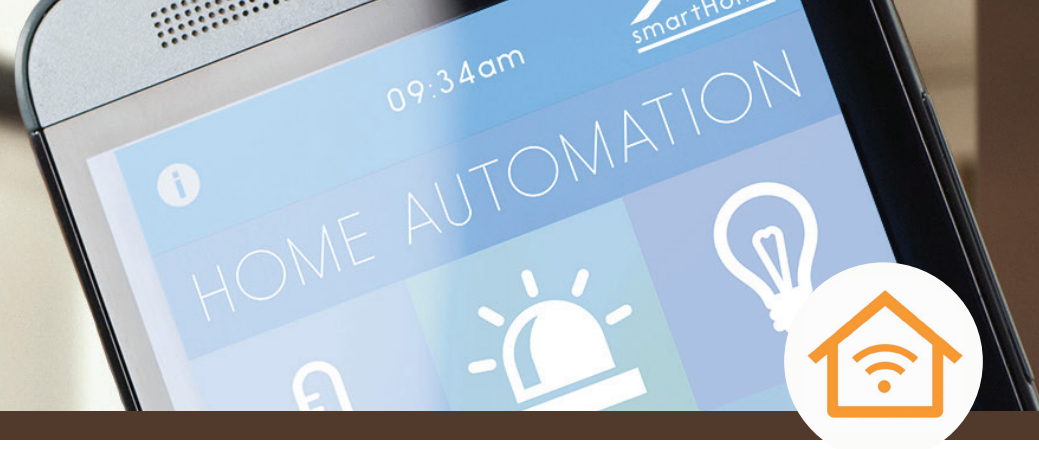
Displays
 Communication systems
 Safety Monitor

Key Features

High Isolation between circuits
 Small Packages
 Up to 528VAC Input Voltage
 Low no load consumption
 EN55022 Class B EMI emissions
 Remote On/Off control

IoT - Converters

Series	Input (VAC)	Single /Dual Output (VDC)	No Load (W)	Isolation (VAC)	Dimensions	Features	Safety
AM1LO	3, 5VDC	3.3, 5 / $\pm 3.3, \pm 5$	-	4.2k VDC	0.50 x 0.44"	SCP	CE, UL
AME1-AZ	90-305	3.3, 5, 12, 15, 24	<0.3	3k	1.40 x 0.92"	OLP, CSP	CE, UL
AMEOF1-JZ	85-305	5, 12, 15, 24	<0.5	3k	Open Frame SIP	OCP, CSP	CE
AME1-JZ	85-305	3.3, 5, 12, 15, 24	-	3k	1.33 x 0.87"	OCP, SCP	CE, UL



IoT - Converters

Series	Input (VAC)	Single Output (VDC)	No Load (W)	Isolation (VAC)	Dimensions	Features	Safety
AME2-AZ	90-305	3.3, 5, 12, 15, 24	<0.3	3k	1.40 x 0.92"	OLP, CSP	CE, UL
AME2-JZ	85-305	3.3, 5, 12, 15, 24	-	3k	1.33 x 0.87"	OCP, SCP	CE, UL
AM3A-Z	12, 24, 48 VDC	3.3, 5, 12, 15	-	1.6k VDC	SIP6	CSP	CE
AME3-AZ	90-305	3.3, 5, 12, 15, 24	<0.3	3k	1.40 x 0.92"	OLP, CSP	CE, UL
AMEOF3-BJZ	90-528	3.3, 5, 9, 12, 15, 24	<0.5	4k	Open Frame SIP	OCP, CSP	CE
AMEL3-VZ	85-264	3.3, 5, 9, 12, 15, 24	-	4	1.46 x 0.96"	OCP, OVP, CSP	CE
AMEOF5-BJZ	90-528	3.3, 5, 9, 12, 15, 24	-	4k	Open Frame SIP	OCP, CSP	CE
AMEL5-VZ	85-264	3.3, 5, 9, 12, 15, 24	-	4k	1.46 x 0.96"	OCP, OVP, CSP	CE
AME5-VZ	85-264	3.3, 5, 9, 12, 15, 24	-	4k	1.91 x 1.42"	OCP, OVP, CSP	CE
AMEL6-VZ	85-264	3.3, 5, 9, 12, 15, 24	-	4k	2 x 1"	OCP, OVP, CSP	CE
AME10-JZ	85-264	3.3, 5, 9, 12, 15, 24	-	4k	2.11 x 1.13"	OCP, OVP, CSP	CE
AME10-VZ	85-264	3.3, 5, 9, 12, 15, 24	-	4k	2.17 x 1.77"	OCP, OVP, CSP	CE
AME15-VZ	85-264	3.3, 5, 9, 12, 15, 24	-	4k	2.44 x 1.77"	OCP, OVP, CSP	CE
AMEL15-JZ	85-264	3.3, 5, 9, 12, 15, 24	-	4k	2.11 x 1.13"	OCP, OVP, CSP	CE
AMEL20-JZ	85-264	3.3, 5, 9, 12, 15, 24	-	4k	2.11 x 1.13"	OCP, OVP, CSP	CE
AME20-VZ	85-264	3.3, 5, 9, 12, 15, 24	-	4k	2.44 x 1.77"	OCP, OVP, CSP	CE
AME25-VZ	85-264	3.3, 5, 9, 12, 15, 24	-	4k	2.76 x 1.89"	OCP, OVP, CSP	CE



Industrial

Industrial Automation

Industrial lifts
Industrial robots
Automated visual inspection

Industrial Control

Sensing Systems
Temperature control
Protection systems
Alarms

Industrial Motor Drives

IGBT drivers
SiC drivers

Key Features

Industrial temperature range: -40 to 85°C
Encapsulated packages
Isolation
OLP, OVP, SCP, OTP

DC/DC Converters

Package	Power Range (W)	Input Voltage Range (VDC)	Single Output (VDC)	Dual Output (VDC)	Isolation (VDC)	Efficiency Range (%)
SMD	0.25 ~ 3	3.3, 5, 12, 15, 24, 9-18, 9-36, 18-36, 18-72, 18-75, 36-75	3.3, 5, 9, 12, 15, 24	±5, ±9, ±12, ±15	1K, 1.5K, 3K, 3.5K, 6K	64 ~ 86
SIP4	0.25 ~ 2	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	1K, 1.5K, 3K	66 ~ 84
DIP8	1	3.3, 5, 12, 24, 48	3.3, 5, 7.2, 9, 12, 15, 18, 24	±12, ±15	1K, 1.5K, 3K	67 ~ 85
SIP6	1 ~ 3	4.5-9, 9-18, 18-36, 36-75	5, 12, 15, 24	±3.3, ±5, ±7.2, ±9, ±12, ±15, ±18, ±24, 15/-9, 15/-8.7, 9, 9/-9, 17/-8.7, 15/-8, 20/-4	1.5k	76 ~ 81



DC/DC Converters

Package	Power Range (W)	Input Voltage Range (VDC)	Single Output (VDC)	Dual Output (VDC)	Isolation (VDC)	Efficiency Range (%)
SIP7	1 ~ 3	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, 15/-9, 15/-8.7, 9, 9/-9, 17/-8.7, 15/-8, 20/-4	1K, 1.5K, 3K, 3.5K, 4K, 5.2K, 6K	65 ~ 90
DIP14	1 ~ 2	3.3, 5, 9, 12, 15, 24	3.3, 5, 7.2, 9, 12, 15, 24	3.3/3.3, 5/5, 7.2/7.2, 9/9, 12/12, 15/15, 18/18, 24/24	1K, 1.5K, 3K	55 ~ 85
SIP8	1 ~ 9	4.5-9, 9-18, 18-36, 36-75, 9-36, 18-75	3.3, 5, 7.2, 9, 12, 15, 18, 24	-	1K, 1.5K, 3K	64 ~ 87
DIP16	2	5, 12, 24	5, 12, 15	-	6k	77 ~ 81
SIP9	2 ~ 3	9-36, 18-72, 18-75	3.3, 5, 12, 15	-	1.5k	75 ~ 85
SIP12	2 ~ 3	5, 12, 24	3.3, 5, 7.2, 9, 12, 15, 18, 24	-	1K, 3K, 5.2K	54 ~ 72
DIP24	1 ~ 15	5, 12, 24, 4.5-9, 9-18, 18-36, 36-75, 9-36, 18-75	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, 1.5K, 3K, 3.5K, 5.2K, 6K, 4KVAC, 5KVAC	52 ~ 91
1 x 1"	6 ~ 30	9-18, 18-36, 36-75, 9-36, 18-75, 40-160	3.3, 5, 9, 12, 15, 24	-	1.5K, 1.6k	76 ~ 92
1.08 x 0.70"	2	4.5-9, 9-18, 18-36, 36-75	5, 12, 15	-	500VAC	73 ~ 83
1.37 x 0.90"	3	4.5-9, 9-18, 18-36, 36-75	5, 12, 15	-	500VAC	67 ~ 85
1.75 x 1.10"	6	4.5-9, 9-18, 18-36, 36-75	3.3, 5, 12, 15	-	500VAC	73 ~ 88



DC/DC Converters

Package	Power Range (W)	Input Voltage Range (VDC)	Single Output (VDC)	Dual Output (VDC)	Triple Output (VDC)	Isolation (VDC)	Efficiency Range (%)
2 x 1"	10 ~ 60	9-18, 18-36, 36-72, 36-75, 9-36, 18-72, 18-75	3.3, 5, 7.2, 9, 12, 15, 18, 24	-	3.3/±12, 3.3/±15, 5/±12, 5/±15	1.5K, 1.6K, 3K	78 ~ 93
2 x 1.6"	30	9-18, 18-36, 36-75, 9-36, 18-75	3.3, 5, 12, 15, 24	±5, ±12, ±15	-	1.5K, 3K	78 ~ 91
2 x 2"	40 ~ 60	9-18, 18-36, 36-75, 9-36, 18-75	3.3, 5, 12, 15, 24	±5, ±12, ±15	-	1.5K, 1.6K, 3K	80 ~ 92
2.76 x 1.89"	5 ~ 15	100-1000	5, 12, 15, 24	-	-	4KVAC	72 ~ 80
3.50 x 2.50"	40	200-1200	12, 15, 24	-	-	4k	83 ~ 84
4.92 x 2.95"	10 ~ 40	200-1500	5, 12, 15, 24	-	-	4KVAC	64 ~ 80
5.69 x 4.13"	45	150-1500	-	15/15	-	1.5k	76 ~ 78

Switching Regulators

Package	Output Current (A)	Input Voltage Range (VDC)	Output (VDC)	Efficiency Range (%)
SIP3	0.5 ~ 2	4.5 ~ 72	1.5, 1.8, 2.5, 3.3, 5, 6.5, 7.2, 9, 12, 15, 24	65 ~ 97
SMD	0.5 ~ 1	4.75 ~ 36	1.5, 1.8, 2.5, 3.3, 5, 6.5, 9, 12	75 ~ 96



AC/DC Converters

Input Voltage (VAC)	Power Range (W)	Package	Single Output (VDC)	Dual Output (VDC)	Triple Output (VDC)	Isolation (VAC)	Efficiency Range (%)
65-460	10	3.94 x 1.97"	-	5.1/12	-	4k	78
85-264	1 ~ 40	SIP12, SIP14, 1.46 x 0.96", 2 x 1", 1.91 x 1.42", 2.17 x 1.77", 2.12 x 1.13", 2.44 x 1.77", 2.76 x 1.89", 3.5 x 2.5"	3.3, 5, 9, 12, 15, 24, 48	5/5, 5/12, 5/15, 5/24	5/±5, 5/±12, 5/±15, 5/±24	3K, 4K	63 ~ 87
85-305	1 ~ 25	1.33 x 0.87", 2 x 1", 2.17 x 1.77", 2.44 x 1.77", 2.76 x 1.89"	3.3, 5, 9, 12, 15, 24, 48	5/5, 5/12, 5/15, 5/24	5/±5, 5/±12, 5/±15, 5/±24	3k	63 ~ 87
90-264	5 ~ 40	2.03 x 1.10", 2.22 x 1.21", 2.56 x 1.83", 3.56 x 2.48", 3.62 x 2.56", 4.29 x 2.3", 4.92 x 2.32", 4.92 x 2.56"	3.3, 5, 9, 12, 15, 24, 48	-	-	4K	68 ~ 86
90-305	1 ~ 20	1.4 x 0.92", 2.03 x 1.10", 2.22 x 1.21"	3.3, 5, 12, 15, 24	-	-	3K, 4K	44 ~ 81
90-528	1 ~ 20	1.4 x 0.92", 2.44 x 1.77", 1.75 x 0.94"	3.3, 5, 9, 12, 15, 24	-	-	3K, 4K	44 ~ 83
165-264	1 ~ 3	1.46 x 0.96"	3.3, 5, 9, 12, 15, 24	-	-	3K	66 ~ 78



Lighting

Outdoor

High bay lights
Street lights
Area Lights

Key Features

Cold startup temperature: -40°C or -55°C
60W and up
Input Voltage up to 305VAC
IP67 or IP68
Dimming

Indoor

Interior
Entertainment Lights

Key Features

60W and lower
Dimming

Indoor - AC/DC LED Drivers

Series	Input (VAC)	Single Output (VDC)	Output Current (A)	Isolation (VAC)	Dimming	Operating Temperature (°C)	IP Rating	Safety
AMEPR5-AZ	90-264	3-5, 2-6, 5-12, 6-14, 8-16	1, 0.7, 0.36, 0.35, 0.3	3k	-	0 to +80	IP67	CE, UL
AMEPR8D-AZ	90-264	6-12, 9-18, 12-24	0.7, 0.4, 0.35	3k	TRIAC	-20 to +85	IP67	UL
AMEPR10-Z	90-264	8-26, 23-33, 30-42	0.24, 0.29	3.75k	-	-20 to +50	IP20	CE
AMEPR10D-AZ	90-264	5-12, 8-15, 15-30, 24-36, 30-40, 36-50	0.7, 0.64, 0.35, 0.3, 0.25, 0.2	3k	TRIAC	-20 to +80	IP20, IP67	CE, UL
AMEPR15D-AZ	90-264	8-15, 12-24, 24-36, 30-48, 36-50	1, 0.7, 0.5, 0.35, 0.3	3k	TRIAC	-20 to +80	IP20, IP67	CE, UL
AMEPR16-Z	90-264	4-42, 40-58, 30-42	0.29, 0.36	3.75k	-	-20 to +50	IP20	CE
AMEPR25D-AZ	180-264	12-24	1	3k	TRIAC	-20 to +80	IP20, IP67	CE, UL



Indoor - AC/DC LED Drivers

Series	Input (VAC)	Single Output (VDC)	Output Current (A)	Isolation (VAC)	Dimming	Operating Temperature (°C)	IP Rating	Safety
AMEPR30-Z	90-264	24-42	0.5, 0.6, 0.7	3.75k	-	-30 to +50	IP20	CE
AMEPR30N-Z	90-305	24-42	0.5, 0.6, 0.7	3.75k	-	-30 to +50	IP62	CE
AMEPR30NC-Z	90-305	24-42	0.5, 0.6, 0.7	3.75k	Resistive, Analog, PWM	-30 to +50	IP62	CE
AMEPR30D-AZ	90-264	8-15, 12-24, 24-36, 32-42, 36-50	2, 1.4, 1.25, 1, 0.7	3k	TRIAC	-20 to +80	IP67	CE, UL
AMEPR30-AZ	90-305	5-12, 12-24, 24-36, 36-48, 36-50	2.5, 1.4, 1, 0.64, 0.7	3.75k	Resistive	-40 to +85	IP68	CE, UL
AMEPR30C-AZ	90-305	5-12, 12-24, 24-36, 36-48, 36-50	2.5, 1.4, 1, 0.64, 0.7	3.75k	Resistive, Analog, PWM	-40 to +85	IP68	CE, UL
AMEPR40-Z	90-264	80-100, 30-42	1, 0.4	3.75k	-	-20 to +50	IP20	CE
AMEPR40N-Z	90-305	80-100, 30-42	1, 0.4	3.75k	-	-20 to +50	IP62	CE
AMEPR50N-Z	90-264	30-42	1.15, 1.05, 1	3.75k	-	-40 to +50	-	CE
AMEPR60N-Z	90-264	24-42	1.4	3.75k	-	-40 to +50	-	CE
AMEPR60-AZ	90-305	5-12, 12-24, 24-36, 36-50	5, 2.5, 1.7, 1.2	3.75k	Resistive, Analog, PWM	-40 to +85	IP68	CE, UL
AMEPR60C-AZ	90-305	5-12, 12-24, 24-36, 36-50	5, 2.5, 1.7, 1.2	3.75k	Resistive, Analog, PWM	-40 to +85	IP68	CE, UL



Indoor - DC/DC LED Drivers

Series	Input (VDC)	Single Output (VDC)	Output Current (mA)	Type	Dimming	Operating Temperature (°C)	Package	Safety
AMLB-Z/AMLBW-Z	9-36	14-48	150, 250, 300, 350, 500, 600, 700, 900	Boost	Analog, PWM	-40 to +85	2 x 1"/wire	CE
AMLD-IZ	5-36	2-32	300, 350, 500, 600, 700, 800, 900, 1000, 1100, 1200, 1300, 1400, 1500, 1600, 1800, 2000	Step-down	Analog, PWM	-40 to +85	2 x 1" & DIP24	CE
AMLDV-NZ	5.5-48	3.3-36	300, 350, 500, 600, 700	Step-down	Analog, PWM	-40 to +85	SMD	CE
AMLD-Z	7-60	2-57	150, 250, 300, 350, 500, 600, 700, 1000	Step-down	Analog, PWM	-40 to +85	DIP24	CE
AMLD-RZ/AMLDW-RZ	9-60	2-56	300, 350, 500, 600, 700, 1000	Step-down	Analog, PWM	-40 to +85	DIP24/wire	CE
AMLDP-Z	7-16	2-14	300, 350, 500, 600, 700, 1000	Step-down	Analog, PWM	-40 to +85	DIP8	CE
AMLDL-RZ	7-30	2-28	500, 600, 700	Step-down	Analog, PWM	-40 to +71	DIP14	CE
AMLDL-Z/ AMLDLW-Z	7-30	2-28	300, 350, 500, 600, 700, 1000	Step-down	Analog, PWM	-40 to +85	DIP14 & DIP16	CE



Outdoor - AC/DC LED Drivers

Series	Input (VAC)	Single Output (VDC)	Output Current (A)	Isolation (VAC)	Dimming	Operating Temperature (°C)	IP Rating	Safety
AMER40(N)-Z	90-305	30-42	0.75	3750	-	-40 to +60	IP67	CE
AMER50(N)-Z	90-305	30-42	0.9	3750	-	-40 to +60	IP67	CE
AMEQR50N-Z	90-305	36-50	1	3750	-	-40 to +60	IP67	CE
AMEPR60-AZ	90-305	5-12, 12-24, 24-36, 36-50	5, 2.5, 1.7, 1.2	3750	Resistive	-40 to +85	IP68	CE, UL
AMEPR60C-AZ	90-305	5-12, 12-24, 24-36, 36-50	5, 2.5, 1.7, 1.2	3750	Resistive, Analog, PWM	-40 to +85	IP68	CE, UL
AMER60(N)-Z	90-305	24-42	1.6, 1.5, 1.4, 1.3	3750	-	-40 to +60	IP67	CE
AMEQR70-Z	90-305	36-50	1.4	3750	-	-40 to +60	IP67	CE
AMER90-AZ	90-305	12-24, 24-36, 36-50	3.75, 2.5, 1.8	3750	Resistive	-40 to +85	IP68	CE, UL
AMER90-CAZ	90-305	12-24, 24-36, 36-50	3.75, 2.5, 1.8	3750	Resistive	-55 to +85	IP68	CE, UL
AMER90C-Z	90-305	35-70	1.2	3750	Resistive, Analog, PWM	-40 to +70	IP67	CE
AMER120-AZ	90-305	12-24, 24-36, 36-50	5, 3.4, 2.5	3750	Resistive	-40 to +85	IP68	CE, UL
AMER120-CAZ	90-305	12-24, 24-36, 36-50	5, 3.4, 2.5	3750	Resistive	-55 to +85	IP68	CE, UL
AMER120C-Z	90-305	35-70, 42-60	2, 1.7	3750	Resistive, Analog, PWM	-40 to +70	IP67	CE
AMER130-Z	90-305	35-55	2.4	3750	-	-40 to +70	IP67	CE
AMER150-AZ	90-305	12-24, 24-36, 36-50	6.3, 4.16, 3	3750	Resistive	-40 to +85	IP68	CE, UL
AMER150-CAZ	90-305	12-24, 24-36, 36-50	6.3, 4.16, 3	3750	Resistive	-55 to +85	IP68	CE, UL
AMER160-Z	90-305	15-48, 30-55	3.4, 3.2, 2.9,	3750	-	-40 to +70	IP67	CE
AMER175-Z	90-305	15-48	3.6	3750	-	-40 to +70	IP67	CE
AMER250C-Z	90-305	12-24, 21-42	5/10, 3/6	3750	Resistive, Analog, PWM	-40 to +70	IP67	CE



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