



LED DRIVER PRODUCT CATALOGUE

2021 V1.0

Technology Innovation and Product Supremacy

ABOUT MOSO

Shenzhen MOSO Electronics Technology Co., Ltd. is a subsidiary of the MOSO Power Supply Technology Co., Ltd. A national hi-tech and energy-saving enterprise encouraged by the National twelfth five-year Plan. Meanwhile, it is a professional power supply manufacturer with much influence nationwide. After several years of development ever since 2009 when it was established, the company has been recognized by many fortune-500 enterprises in the world and become their strategic partner.

Taking technology and quality as its core advantages, MOSO Electronics Technology has carried out its industry university research cooperation with many key domestic universities and colleges by building the MOSO Electronics Technology Research Institute with huge amounts of funds for R&D invested. At the same time, the institute is facilitated with the reliability and security laboratory that leads the industry with the application of cutting-edge equipments for production and testing including the full-automatic computer tester, with which the laboratory has developed its world-leading high-efficient switching power supply and LED intelligent drivers of many categories. MOSO Electronics Technology has acquired about 200 national patents within just a few years.

Integrating the R&D, manufacturing and sale of products together with services, MOSO Electronics Technology has settled its branch offices in countries and regions including the US, Japan, Korea, Singapore, Europe, Hong Kong and Taiwan, to provide promptly its professional services for clients both in domestic and abroad. Out-standing talents, cutting-edge technologies, scientific management and forward-looking entrepreneurship-all of which has enabled MOSO Electronics Technology to stand on a leading position of the industry and become its core competitiveness. It is the vision of the company to proceed hand in hand with clients and traders of all trades and achieve mutually beneficial development by making our modest contributions to the global undertaking of energy saving and reduce carbon.

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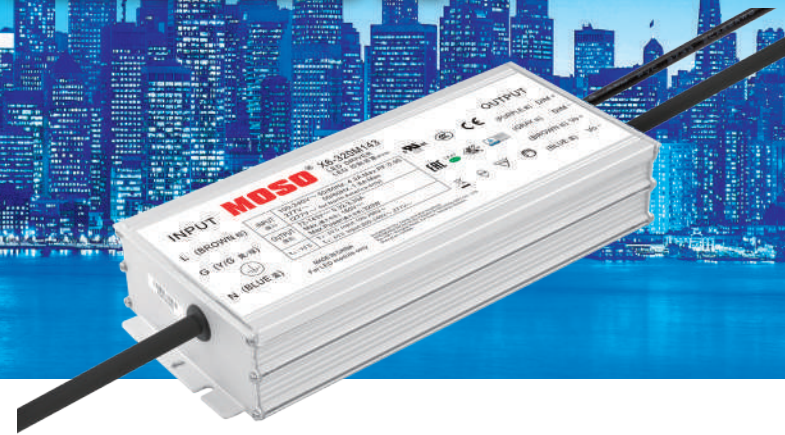
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Remarks:
All pictures, spec, dimmension in this catalog are just for your references, any further requirements, please contact our sales.

Offline programmable LED Driver



Features

- ▶ Universal input voltage range: 90~305Vac;
- ▶ Constant power design;
- ▶ Offline programmable;
- ▶ 12V/0.3A auxiliary power supply is optional($\geq 320W$);
- ▶ 0-10V, PWM, Timer dimming. Dim-to-off;
- ▶ Output lumen compensation;
- ▶ Output and dimming signal isolating;
- ▶ Surge protection: DM 5KV, CM 10KV;
- ▶ Protections: SCP, OVP, OTP;
- ▶ IP67 design for indoor and outdoor applications;
- ▶ Suitable for dry / damp / wet locations;
- ▶ 5 Years warranty.

Application

- ▶ LED street lighting, industrial lighting, and landscape lighting.

Product Selection Guide

Model	Power (W)	Output voltage (Vdc)	Full power current range (A)	Default output spec	Typ. Eff.	Typ. PF	Dimensions (L*W*H)mm
X6-075Y041	75	20~41	1.83~2.67	20~36V/2.10A	88.0%	0.96	128.6*68*37
X6-075Y062	75	38~62	1.21~1.88	38~53V/1.40A	89.0%	0.96	128.6*68*37
X6-075Y108	75	54~108	0.70~1.05	54~108V/0.70A	90.0%	0.96	128.6*68*37
X6-105Y041	105	20~41	2.56~3.50	20~37V/2.80A	90.0%	0.97	153.6*68*37
X6-105Y062	105	38~62	1.69~2.50	38~50V/2.10A	91.0%	0.97	153.6*68*37
X6-105Y100	105	50~100	1.05~1.40	50~75V/1.40A	91.0%	0.97	153.6*68*37
X6-105Y150	105	75~150	0.70~1.05	75~100V/1.05A	92.0%	0.97	153.6*68*37
X6-150Y041	150	20~41	3.66~5.40	20~35V/4.20A	91.0%	0.97	173.6*68*37
X6-150Y062	150	38~62	2.42~3.60	38~47V/3.15A	91.0%	0.97	173.6*68*37
X6-150Y108	150	54~108	1.40~2.10	54~71V/2.10A	91.0%	0.97	173.6*68*37
X6-150Y143	150	80~143	1.05~1.50	80~143V/1.05A	92.0%	0.97	173.6*68*37
X6-150Y214	150	107~214	0.70~1.05	107~214V/0.70A	92.0%	0.97	173.6*68*37
X6-200Y041	200	20~41	4.88~6.67	20~36V/5.56A	92.00%	0.97	193.6*68*39
X6-200Y062	200	38~62	3.23~5.00	38~41V/4.90A	92.0%	0.97	193.6*68*39
X6-200Y096	200	48~96	2.10~3.00	48~71V/2.80A	92.5%	0.97	193.6*68*39
X6-200Y143	200	70~143	1.40~2.10	70~143V/1.40A	93.0%	0.97	193.6*68*39
X6-200Y191	200	96~191	1.05~1.40	96~190V/1.05A	93.0%	0.97	193.6*68*39
X6-200Y286	200	143~286	0.70~1.05	143~286V/0.70A	93.5%	0.97	193.6*68*39
X6-240Y041	240	20~41	5.86~7.50	20~35V/6.70A	92.0%	0.97	208.6*68*39
X6-240Y062	240	38~62	3.88~5.71	38~48V/5.00A	93.0%	0.97	208.6*68*39
X6-240Y086	240	43~86	2.8~4.20	43~57V/4.20A	92.5%	0.97	208.6*68*39
X6-240Y171	240	85~171	1.40~2.10	85~171V/1.40A	93.5%	0.97	208.6*68*39
X6-240Y229	240	114~229	1.05~1.50	114~228V/1.05A	93.5%	0.97	208.6*68*39
X6-240Y343	240	171~343	0.70~1.05	171~343V/0.70A	93.5%	0.97	208.6*68*39
X6-320Y041Z*	320	20~41	7.80~10.00	20~36V/8.90A	92.0%	0.97	232*98*42
X6-320Y062Z	320	38~62	5.20~7.50	38~47V/6.70A	93.0%	0.97	232*98*42
X6-320Y143Z	320	72~143	2.24~3.20	72~114V/2.80A	93.0%	0.97	232*98*42
X6-320Y230Z	320	115~230	1.39~2.10	115~152V/2.10A	92.5%	0.97	232*98*42
X6-320Y457Z	320	228~457	0.70~1.10	228~304V/1.05A	93.0%	0.97	232*98*42
X6-600Y056Z	600	27~56	11.2~12.5	30~53V/11.20A	94.0%	0.97	277*144*48.5
X6-600Y134Z	600	54~134	4.48~5.60	54~107V/5.60A	94.5%	0.97	277*144*48.5
X6-600Y268Z	600	108~268	2.27~2.80	108~214V/2.80A	94.5%	0.97	277*144*48.5
X6-600Y428Z	600	240~428	1.40~1.75	240~428V/1.40	95.0%	0.97	277*144*48.5

Note: Y=M, Programmable output with 0~10V/PWM/Timer dimming; Y=V, Output current adjustable through built-in potentiometer.
Z=A12, output with 12V/0.3A auxiliary power supply; Z=Blank, no auxiliary output.

Class II Offline programmable LED Driver



Features

- ▶ Universal input voltage range: 90~305Vac;
- ▶ Constant power design;
- ▶ Offline programmable;
- ▶ 1-10V, PWM, Timer dimming;
- ▶ Output lumen compensation;
- ▶ Output and dimming signal isolating;
- ▶ Surge protection: DM 5KV;
- ▶ Protections: SCP, OVP, OTP;
- ▶ IP67 design for indoor and outdoor applications;
- ▶ Suitable for dry / damp / wet locations;
- ▶ 5 Years warranty.

Application

- ▶ LED street lighting, industrial lighting, and landscape lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (Vdc)	Full power current adjustable range (A)	Default output spec	Typ. Eff.	Typ. PF	Dimensions (L*W*H)mm
XCP-075Y041*	75	20~41	1.83~2.67	20~36V/2.10A	88.0%	0.96	128.6*68*37
XCP-075Y062	75	38~62	1.21~1.88	38~53V/1.40A	89.0%	0.96	128.6*68*37
XCP-075Y108	75	54~108	0.70~1.05	54~108V/0.70A	90.0%	0.96	128.6*68*37
XCP-105Y041	105	20~41	2.56~3.50	20~37V/2.80A	90.0%	0.97	153.6*68*37
XCP-105Y062	105	38~62	1.69~2.50	38~50V/2.10A	91.0%	0.97	153.6*68*37
XCP-105Y150	105	75~150	0.70~1.05	75~100V/1.05A	92.0%	0.97	153.6*68*37
XCP-150Y041	150	20~41	3.66~5.40	20~35V/4.20A	91.0%	0.97	173.6*68*37
XCP-150Y062	150	38~62	2.42~3.60	38~47V/3.15A	91.0%	0.97	173.6*68*37
XCP-150Y214	150	107~214	0.70~1.05	107~214V/0.70A	92.0%	0.97	173.6*68*37
XCP-200Y062	200	38~62	3.23~5.00	38~47V/4.20A	92.0%	0.97	193.6*68*39
XCP-200Y286	200	143~286	0.70~1.05	143~286V/0.70A	93.5%	0.97	193.6*68*39
XCP-240Y062	240	38~62	3.88~5.71	38~48V/5.00A	93.0%	0.97	208.6*68*39
XCP-240Y343	240	171~343	0.70~1.05	171~343V/0.70A	93.5%	0.97	208.6*68*39
XCP-320Y062	320	38~62	5.20~7.50	38~47V/6.70A	93.0%	0.97	232*98*42
XCP-320Y457	320	228~457	0.70~1.10	228~304V/1.05A	93.0%	0.97	232*98*42

Note: Y=M, Programmable output with 1 ~ 10V/PWM/Timer dimming; Y=V, Output current adjustable through built-in potentiometer.

440Vac Input OVP Offline programmable LED Driver



Features

- ▶ Universal input voltage range: 90~305Vac;
- ▶ Constant power design;
- ▶ Offline programmable;
- ▶ 0-10V, PWM, Timer dimming. Dim-to-off;
- ▶ Output lumen compensation;
- ▶ Output and dimming signal isolating;
- ▶ Surge protection: DM 5KV, CM 10KV;
- ▶ Protections: 440Vac Input OVP, SCP, OTP;
- ▶ IP67 design for indoor and outdoor applications;
- ▶ Suitable for dry / damp / wet locations;
- ▶ 5 Years warranty.

Application

- ▶ LED street lighting, industrial lighting, and landscape lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (Vdc)	Full power current adjustable range (A)	Default output spec	Typ. Eff.	Typ. PF	Dimensions (L*W*H)mm
X6I-075Y062 *	75	38~62	1.21~1.88	38~53V/1.40A	89.0%	0.96	128.6*68*37
X6I-075Y108	75	54~108	0.70~1.05	54~108V/0.70A	90.0%	0.96	128.6*68*37
X6I-105Y062	105	38~62	1.69~2.50	38~50V/2.10A	91.0%	0.97	153.6*68*37
X6I-105Y150	105	75~150	0.70~1.05	75~100V/1.05A	92.0%	0.97	153.6*68*37
X6I-150Y062	150	38~62	2.42~3.60	38~47V/3.15A	91.0%	0.97	173.6*68*37
X6I-150Y214	150	107~214	0.70~1.05	107~214V/0.70A	92.0%	0.97	173.6*68*37
X6I-200Y062	200	38~62	3.23~5.00	38~47V/4.20A	92.0%	0.97	193.6*68*39
X6I-200Y286	200	143~286	0.70~1.05	143~286V/0.70A	93.5%	0.97	193.6*68*39
X6I-240Y062	240	38~62	3.88~5.71	38~48V/5.00A	93.0%	0.97	208.6*68*39
X6I-240Y343	240	171~343	0.70~1.05	171~343V/0.70A	93.5%	0.97	208.6*68*39

Note: Y=M, Programmable output with 0 ~ 10V/PWM/Timer dimming; Y=V, Output current adjustable through built-in potentiometer.

U6 Series NFC Programmable LED Driver



DALI 2



Features

- ▶ Input voltage range: 176~264Vac;
- ▶ Constant power design;
- ▶ NFC programmable;
- ▶ External NTC;
- ▶ DALI-2 & Timer dimming;
- ▶ Output lumen compensation;
- ▶ Suitable for Class I and Class II luminaires;
- ▶ Auxiliary power supply: 24V/250mA;
- ▶ Surge protection: 6KV DM, CM 10KV;
- ▶ Multiple protection: SCP, OVP, OTP;
- ▶ Complies with zhaga interface specification book 13;
- ▶ Degrees of protection: IP20;
- ▶ 7 Years warranty.

Application

- ▶ LED street lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (V)	Full power current range (A)	Default output current (A)	Typ. Eff.	Typ. PF	Dimensions (L*W*H)mm
U6-040D057	40	21~57	0.70~1.05	0.70	87%	0.97	123*79*31
U6-080D115	80	35~115	0.70~1.05	0.70	93%	0.98	132.5*77*40
U6-120D172	120	75~172	0.70~1.05	0.70	93%	0.98	132.5*77*40
U6-165D236	165	115~236	0.70~1.05	0.70	94%	0.98	170*100*40
U6-200D286	200	143~286	0.70~1.05	0.70	94%	0.98	170*100*40

42W/60W Programmable LED Driver



Features

- ▶ Universal input voltage: 90 ~ 305Vac;
- ▶ Constant current design, outputs programmable;
- ▶ Flicker free (optional) ;
- ▶ 3 in 1 dimming mode: 0-10V, PWM, Timer control;
- ▶ THD<10%;
- ▶ Multiple protection: OVP/SCP/OTP;
- ▶ Surge protection: DM 4KV, CM 6KV;
- ▶ 440Vac input OVP is optional;
- ▶ Degrees of protection: IP67;
- ▶ 5 years warranty.

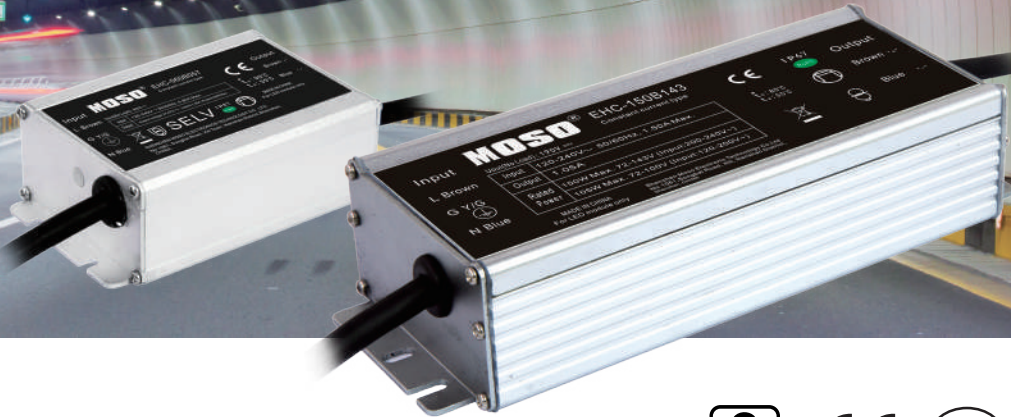
Application

- ▶ LED street lighting, industrial lighting, and landscape lighting.

Product Selection Guide

Model	Power (W)	Output voltage range(Vdc)	Output current(A)	Typ. Eff.	Typ. PF	Dimensions (L*W*H)mm
PHC-042M036	42	20 ~ 36	1.17	85%	0.96	117*67*37
PHC-042M048	42	38 ~ 48	0.90	85%	0.96	117*67*37
PHC-042M062	42	30 ~ 62	0.70	85%	0.96	117*67*37
PHC-060M036	60	20 ~ 36	1.67	86%	0.96	132*67*37
PHC-060M048	60	38 ~ 48	1.30	86%	0.96	132*67*37
PHC-060M062	60	30 ~ 62	0.97	86%	0.96	132*67*37

Input OVP LED Driver



Features

- ▶ Input voltage range: 108 ~ 305Vac;
- ▶ Constant current design;
- ▶ THD<10%;
- ▶ Surge protection: DM 4KV, CM 6KV;
- ▶ Multiple protection: Input OVP/Output OVP/SCP/OTP;
- ▶ 440Vac Input OVP is optional;
- ▶ Degrees of protection: IP67;
- ▶ 5 Years warranty.

Application

- ▶ LED street lighting, industrial lighting, and landscape lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (Vdc)	Output current (A)	Typ. Eff.	Typ. PF	Dimensions (L*W*H)mm
EHC-026B037	26	20 ~ 37	0.70	87%	0.97	96*64*33
EHC-042B060	42	30 ~ 60	0.70	88%	0.97	104*64*33
EHC-042B040	42	20 ~ 40	1.05	87%	0.97	104*64*33
EHC-060B086	60	48 ~ 86	0.70	87%	0.97	111*64*33
EHC-060B057	60	34 ~ 57	1.05	87%	0.97	111*64*33
EHC-105B150	105	75 ~ 150	0.70	91%	0.97	164*68*39
EHC-105B100	105	50 ~ 100	1.05	90%	0.97	164*68*39
EHC-150B214	150	107 ~ 214	0.70	90%	0.97	179*68*43.5
EHC-150B143	150	72 ~ 143	1.05	88%	0.97	179*68*43.5

Programmable LED Driver with Dim-to-off



Features



- ▶ Universal input voltage: 90 ~ 305Vac;
- ▶ Constant power design, outputs programmable;
- ▶ Built-in 3-in-1 dimming and auto-react: 0-10Vdc, PWM, Timer dimming, dim-to-off;
- ▶ Can be with virtual midnight, output lumen compensation;
- ▶ Equipped with interactive visual software to customize output setting;
- ▶ DALI control is optional;
- ▶ 12V/0.3A auxiliary power supply is optional;
- ▶ Output is isolated with dimming signal;
- ▶ Stand-by power consumption <0.5W;
- ▶ Multiple protection: SCP / OVP/OTP;
- ▶ Surge protection: DM 5KV, CM 10KV;
- ▶ Degrees of protection: IP67;
- ▶ 5 Years warranty.

Application

- ▶ LED street lighting, industrial lighting, and landscape lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (Vdc)	Output current adjustable range (A)	Full power current adjustable range (A)	Default output spec	Typ. Eff.	Typ. PF	Dimensions (L*W*H)mm
LUP-075X041Y *	75	20 ~ 41	0.27 ~ 2.68	1.83 ~ 2.68	20 ~ 36V/2.10A	87%	0.95	178*68*43.5
LUP-075X062Y	75	20 ~ 62	0.19 ~ 1.88	1.21 ~ 1.88	20 ~ 54V/1.40A	87%	0.95	178*68*43.5
LUP-075X141Y	75	60 ~ 141	0.11 ~ 1.10	0.53 ~ 1.10	60 ~ 107V/0.70A	87%	0.96	178*68*43.5
LUP-120X041Y	120	20 ~ 41	0.43 ~ 4.29	2.93 ~ 4.29	20 ~ 36V/3.33A	90%	0.96	217*68*43.5
LUP-120X062Y	120	20 ~ 62	0.30 ~ 3.00	1.93 ~ 3.00	20 ~ 48V/2.50A	90%	0.96	217*68*43.5
LUP-120X170Y	120	60 ~ 170	0.14 ~ 1.40	0.70 ~ 1.40	60 ~ 114V/1.05A	91%	0.96	217*68*43.5
LUP-120X305Y	120	120 ~ 305	0.07 ~ 0.70	0.40 ~ 0.70	120 ~ 171V/0.70A	91%	0.96	217*68*43.5
LUP-150X036Y	150	20 ~ 36	0.54 ~ 5.36	4.17 ~ 5.36	20 ~ 36V/4.17A	90%	0.96	217*68*43.5
LUP-150X054Y	150	20 ~ 54	0.42 ~ 4.20	2.80 ~ 4.20	20 ~ 48V/3.13A	90%	0.96	217*68*43.5
LUP-150X120Y	150	60 ~ 120	0.21 ~ 2.10	1.25 ~ 2.10	60 ~ 107V/1.40A	90%	0.96	217*68*43.5
LUP-150X214Y	150	80 ~ 214	0.11 ~ 1.10	0.70 ~ 1.10	80 ~ 143V/1.05A	90%	0.96	217*68*43.5
LUP-150X335Y	150	176 ~ 335	0.07 ~ 0.70	0.45 ~ 0.70	176 ~ 214V/0.70A	91%	0.96	217*68*43.5
LUP-200X041Y	200	20 ~ 41	0.70 ~ 7.00	4.88 ~ 7.00	20 ~ 36V/5.56A	90%	0.96	247*68*43.5
LUP-200X062Y	200	20 ~ 62	0.50 ~ 5.00	3.23 ~ 5.00	20 ~ 48V/4.17A	92%	0.96	247*68*43.5
LUP-200X445Y	200	230 ~ 445	0.07 ~ 0.70	0.45 ~ 0.70	230 ~ 286V/0.70A	92%	0.96	247*68*43.5
LUP-240X041Y	240	20 ~ 41	0.75 ~ 7.50	5.86 ~ 7.50	20 ~ 36V/6.70A	91%	0.96	247*68*43.5
LUP-240X062Y	240	20 ~ 62	0.52 ~ 5.20	3.87 ~ 5.20	20 ~ 48V/5.00A	92%	0.96	247*68*43.5
LUP-240X180Y	240	80 ~ 180	0.21 ~ 2.10	1.33 ~ 2.10	80 ~ 170V/1.40A	92%	0.96	247*68*43.5
LUP-240X368Y	240	190 ~ 368	0.11 ~ 1.10	0.65 ~ 1.10	190 ~ 228V/1.05A	93%	0.96	247*68*43.5

Note: 1. X=M, Programmable output with 0-10V/PWM/Timer dimming;
X=R, Programmable output with timer dimming;
X=D, DALI dimming.
2. Y=A12, output with 12V/0.3A auxiliary power supply.

Class II DALI Programmable LED Driver



Features

- ▶ Universal input voltage: 90 ~ 305Vac;
- ▶ Constant power design, outputs programmable;
- ▶ Can be with virtual midnight, output lumen compensation;
- ▶ Equipped with interactive visual software to customize output setting;
- ▶ Dimming; DALI-2 & Timer dimming;
- ▶ Output is isolated with dimming signal;
- ▶ Multiple protection: SCP / OVP/OTP;
- ▶ Surge protection: DM 5KV;
- ▶ Degrees of protection: IP67;
- ▶ 5 Years warranty.

Application

- ▶ LED street lighting, industrial lighting, and landscape lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (Vdc)	Output current adjustable range (A)	Full power current adjustable range (A)	Default output spec	Typ. Eff.	Typ. PF	Dimensions (L*W*H)mm
LCP-075D041	75	20 ~ 41	0.27 ~ 2.68	1.83 ~ 2.68	20 ~ 36V/2.10A	87%	0.95	178*68*43.5
LCP-075D062	75	20 ~ 62	0.19 ~ 1.88	1.21 ~ 1.88	20 ~ 54V/1.40A	87%	0.95	178*68*43.5
LCP-075D141	75	60 ~ 141	0.11 ~ 1.10	0.53 ~ 1.10	60 ~ 107V/0.70A	87%	0.96	178*68*43.5
LCP-120D041	120	20 ~ 41	0.43 ~ 4.29	2.93 ~ 4.29	20 ~ 36V/3.33A	90%	0.96	217*68*43.5
LCP-120D062	120	20 ~ 62	0.30 ~ 3.00	1.93 ~ 3.00	20 ~ 48V/2.50A	90%	0.96	217*68*43.5
LCP-120D170	120	60 ~ 170	0.14 ~ 1.40	0.70 ~ 1.40	60 ~ 114V/1.05A	91%	0.96	217*68*43.5
LCP-120D305	120	120 ~ 305	0.07 ~ 0.70	0.40 ~ 0.70	120 ~ 171V/0.70A	91%	0.96	217*68*43.5
LCP-150D036	150	20 ~ 36	0.54 ~ 5.36	4.17 ~ 5.36	20 ~ 36V/4.17A	90%	0.96	217*68*43.5
LCP-150D054	150	20 ~ 54	0.42 ~ 4.20	2.80 ~ 4.20	20 ~ 48V/3.13A	90%	0.96	217*68*43.5
LCP-150D120	150	60 ~ 120	0.21 ~ 2.10	1.25 ~ 2.10	60 ~ 107V/1.40A	90%	0.96	217*68*43.5
LCP-150D214	150	80 ~ 214	0.11 ~ 1.10	0.70 ~ 1.10	80 ~ 143V/1.05A	90%	0.96	217*68*43.5
LCP-150D335	150	176 ~ 335	0.07 ~ 0.70	0.45 ~ 0.70	176 ~ 214V/0.70A	91%	0.96	217*68*43.5
LCP-200D041	200	20 ~ 41	0.70 ~ 7.00	4.88 ~ 7.00	20 ~ 36V/5.56A	90%	0.96	247*68*43.5
LCP-200D062	200	20 ~ 62	0.50 ~ 5.00	3.23 ~ 5.00	20 ~ 48V/4.17A	92%	0.96	247*68*43.5
LCP-200D445	200	230 ~ 445	0.07 ~ 0.70	0.45 ~ 0.70	230 ~ 286V/0.70A	92%	0.96	247*68*43.5
LCP-240D041	240	20 ~ 41	0.75 ~ 7.50	5.86 ~ 7.50	20 ~ 36V/6.70A	91%	0.96	247*68*43.5
LCP-240D062	240	20 ~ 62	0.52 ~ 5.20	3.87 ~ 5.20	20 ~ 48V/5.00A	92%	0.96	247*68*43.5
LCP-240D180	240	80 ~ 180	0.21 ~ 2.10	1.33 ~ 2.10	80 ~ 170V/1.40A	92%	0.96	247*68*43.5
LCP-240D368	240	190 ~ 368	0.11 ~ 1.10	0.65 ~ 1.10	190 ~ 228V/1.05A	93%	0.96	247*68*43.5

Programmable High Bay LED Driver with Dim-to-off



CE CCC TUV SUD CB UL LISTED E332889 NOM S Class P SAA

Features

- ▶ Universal input voltage: 90 ~ 305Vac;
- ▶ Constant power design;
- ▶ Offline programmable;
- ▶ 2 in 1 dimming mode: 0-10V, PWM dimming, dim-to-off;
- ▶ Multiple protection: SCP, OVP, OTP;
- ▶ Surge protection: DM 4KV, CM 6KV;
- ▶ Degrees of protection: IP65;
- ▶ 5 Years warranty.

Application

- ▶ Suitable for industrial lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (Vdc)	Output current adjustable range (A)	Full power current adjustable range (A)	Default output spec	Typ. Eff.	Typ. PF	Dimensions (Φ*H)mm
MTP-060Y040*	60	24 ~ 40	1.00 ~ 1.90	1.50 ~ 1.90	24 ~ 32V/1.90A	88%	0.96	115*64.2
MTP-060Y054	60	27 ~ 54	1.10 ~ 1.50	1.10 ~ 1.50	27 ~ 40V/1.50A	88%	0.96	115*64.2
MTP-120Y040	120	24 ~ 40	2.00 ~ 3.75	3.00 ~ 3.75	24 ~ 32V/3.75A	89%	0.97	130*74.1
MTP-120Y054	120	27 ~ 54	1.50 ~ 2.85	2.25 ~ 2.85	27 ~ 42V/2.85A	90%	0.97	130*74.1
MTP-120Y068	120	40 ~ 68	1.20 ~ 2.15	1.77 ~ 2.15	40 ~ 56V/2.15A	91%	0.97	130*74.1
MTP-160Y038	160	24 ~ 38	2.90 ~ 5.00	4.20 ~ 5.00	24 ~ 32V/5.0A	88%	0.97	146*74.1
MTP-160Y054	160	27 ~ 54	2.10 ~ 3.80	2.96 ~ 3.80	27 ~ 42V/3.8A	89%	0.97	146*74.1
MTP-160Y068	160	40 ~ 68	1.70 ~ 2.85	2.35 ~ 2.85	40 ~ 56V/2.85A	89%	0.97	146*74.1
MTP-200Y038	200	24 ~ 38	3.70 ~ 6.25	5.27 ~ 6.25	24 ~ 32V/6.25A	91%	0.98	146*74.1
MTP-200Y054	200	27 ~ 54	2.60 ~ 4.80	3.7 ~ 4.80	27 ~ 42V/4.80A	91%	0.98	146*74.1
MTP-200Y068	200	40 ~ 68	2.00 ~ 3.60	2.95 ~ 3.60	40 ~ 56V/3.60A	92%	0.98	146*74.1
MTP-240Y038	240	24 ~ 38	4.40 ~ 7.50	6.30 ~ 7.50	24 ~ 32V/7.50A	91%	0.97	176.2*74.4
MTP-240Y054	240	27 ~ 54	3.00 ~ 5.72	4.44 ~ 5.72	27 ~ 42V/5.72A	92%	0.97	176.2*74.4
MTP-240Y068	240	40 ~ 68	2.50 ~ 4.20	3.52 ~ 4.20	40 ~ 57V/4.20A	92%	0.97	176.2*74.4

Note: Y=M, 0-10V/PWM dimming, outputs programmable, output current adjustable range: 10%-100%Imax;
Y=V, Output current adjustable through built-in potentiometer.

G6 A Series Non-isolated LED Driver with Dim-to-off



G6 M Series Non-isolated LED Driver



Features   **SAA CB CE CCC**  **Class P FC**

- ▶ Universal input voltage: 90 ~ 305Vac;
- ▶ Non-isolated design, flicker free;
- ▶ High efficiency: 95%(typ.);
- ▶ High power factor > 0.96;
- ▶ Output current adjustable;
- ▶ 0-10V, PWM dimming, no glimmer after dim-to-off;
- ▶ 12V/0.2A auxiliary power supply;
- ▶ Stand-by power consumption <0.5W;
- ▶ Surge protection: DM 4KV, CM 6KV;
- ▶ Protection: SCP/OVP/OTP;
- ▶ Degrees of protection: IP65;
- ▶ 5 Years warranty.

Application

- ▶ Suitable for industrial lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (Vdc)	Max. output current(A)	Typ. Eff.	Typ. PF	Dimensions (Φ*H)mm
G6-096M260A12H	96	180 ~ 260	0.45	95%	0.96	130*64.6
G6-120M260A12H	120	180 ~ 260	0.56	95%	0.96	130*64.6
G6-160M260A12H	160	180 ~ 260	0.74	95%	0.96	130*64.6
G6-200M260A12H	200	180 ~ 260	0.93	95%	0.96	130*64.6
G6-240M260A12H	240	180 ~ 260	1.10	95%	0.96	130*64.6

Features   **SAA CB CE CCC**  **Class P FC**

- ▶ Universal input voltage: 90 ~ 305Vac;
- ▶ Non-isolated design, flicker free;
- ▶ High efficiency: 95%(typ.);
- ▶ High power factor > 0.96;
- ▶ Output current adjustable;
- ▶ 0-10V, PWM dimming;
- ▶ Surge protection: DM 4KV, CM 6KV;
- ▶ Protection: SCP/OVP/OTP;
- ▶ Degrees of protection: IP65;
- ▶ 5 Years warranty.

Application

- ▶ Suitable for industrial lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (Vdc)	Max. output current(A)	Typ. Eff.	Typ. PF	Dimensions (Φ*H)mm
G6-096X260*	96	180 ~ 260	0.45	95%	0.96	130*64.6
G6-120X260	120	180 ~ 260	0.56	95%	0.96	130*64.6
G6-160X260	160	180 ~ 260	0.74	95%	0.96	130*64.6
G6-200X260	200	180 ~ 260	0.93	95%	0.96	130*64.6
G6-240X260	240	180 ~ 260	1.10	95%	0.96	130*64.6

Note: X=M, 0-10V/PWM dimming, Output current adjustable through built-in potentiometer.;
X=V, Output current adjustable through built-in potentiometer.

G6 D Series Non-isolated DALI LED Driver



SAA CB CE CCC

Features

- ▶ Universal input voltage: 90 ~ 305Vac;
- ▶ Non-isolated design, flicker free;
- ▶ High efficiency: 95%(typ.);
- ▶ High power factor > 0.96;
- ▶ Output current adjustable;
- ▶ DALI-2 dimming;
- ▶ Surge protection: DM 4KV, CM 6KV;
- ▶ Protection: SCP/OVP/OTP;
- ▶ Degrees of protection: IP65;
- ▶ 5 Years warranty.

Application

- ▶ Suitable for industrial lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (Vdc)	Max. output current(A)	Typ. Eff.	Typ. PF	Dimensions (Φ*H)mm
G6-096D260H	96	180 ~ 260	0.45	95%	0.96	130*64.6
G6-120D260H	120	180 ~ 260	0.56	95%	0.96	130*64.6
G6-160D260H	160	180 ~ 260	0.74	95%	0.96	130*64.6
G6-200D260H	200	180 ~ 260	0.93	95%	0.96	130*64.6
G6-240D260H	240	180 ~ 260	1.10	95%	0.96	130*64.6

LTP Series Isolated DALI LED Driver



DALI 2 TUV SUD CB CE

Features

- ▶ Universal input voltage: 90 ~ 305Vac;
- ▶ Constant power design;
- ▶ Output current adjustable;
- ▶ DALI-2 dimming;
- ▶ Surge protection: DM 4KV, CM 6KV;
- ▶ Protection: SCP/OVP/OTP;
- ▶ Degrees of protection: IP65;
- ▶ 5 Years warranty.

Application

- ▶ Suitable for industrial lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (Vdc)	Max. output current(A)	Typ. Eff.	Typ. PF	Dimensions (Φ*H)mm
LTP-160D036	160	14 ~ 36	5.71	91.5%	0.96	152*69.3
LTP-160D062	160	21 ~ 62	3.80	91.5%	0.96	152*69.3
LTP-200D036	200	14 ~ 36	7.14	91%	0.96	191*74.8
LTP-200D062	200	21 ~ 62	4.76	92%	0.96	191*74.8
LTP-240D036	240	14 ~ 36	7.05	91%	0.96	191*74.8
LTP-240D062	240	21 ~ 62	5.71	92%	0.96	191*74.8

Non-isolated Constant Current LED Driver



Features

- ▶ Universal input voltage: 90 ~ 305Vac;
- ▶ High efficiency: 94%(typ.);
- ▶ High power factor > 0.96;
- ▶ Constant current output;
- ▶ 1-10V/PWM dimming;
- ▶ Non-isolated design, flicker free;
- ▶ Surge protection: DM 4KV, CM 6KV;
- ▶ Protection: SCP/OVP;
- ▶ Degrees of protection: IP65;
- ▶ 5 Years warranty.

Application

- ▶ LED street lighting, industrial lighting, and landscape lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (Vdc)	Max. current (A)	Typ. Eff.	Typ. PF	Dimensions (L*W*H) mm
MNC-075X240*	75	170~240	0.38	94%	0.97	138*55*37
MNC-100X240	100	170~240	0.45	94%	0.97	138*55*37
MNC-120X240	120	170~240	0.55	94%	0.97	138*55*37
MNC-150X240	150	170~240	0.65	94%	0.97	138*55*37
MNC-200X240	200	170~240	1.00	95%	0.97	151*63.5*41.5
MNC-260X240	260	170~240	1.40	95%	0.97	190*68*43.5

Note: X=M, 1-10V/PWM dimming, X=B without dimming.

Anti-explosion LED Driver



Features

- ▶ Input voltage range: 90 ~ 264Vac;
- ▶ Constant current design;
- ▶ High power factor > 0.95;
- ▶ Surge protection: DM 4KV, CM 6KV;
- ▶ Multiple protection: SCP/OVP/OTP;
- ▶ Degrees of protection: IP65;
- ▶ 5 Years warranty.

Application

- ▶ Industrial lighting, explosion protection lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (Vdc)	Output current (A)	Typ. Eff.	Dimensions (Φ*H)mm	Certification
MEP-040B058	40	30-58	0.70	87%	75*32	CCC/CE/CB/BIS
MEP-040V058*	40	30-58	1.20A Max.	87%	75*32	CCC
MEP-060B043	60	26-43	1.40	88%	92*38	CCC/CE/CB/BIS
MEP-075V057*	60	27-57	1.75A Max.	90%	92*38	CCC/CE/CB/TUV
MEP-080B058	80	30-58	1.40	89%	112*38	CCC/BIS
MEP-120B058	120	30-58	2.10	89%	112*38	CCC/BIS

Note: Output current adjustable through built-in potentiometer.

LSV Series Constant Voltage LED Driver



SAA  CB     Class P 

Features

- ▶ Universal input voltage: 90 ~ 305Vac;
- ▶ Constant voltage design;
- ▶ Active power factor correction;
- ▶ High power factor > 0.96;
- ▶ Multiple protection: SCP, OVP, OTP, OCP;
- ▶ Surge protection:
35W/50W: DM 4KV, CM 6KV
75 ~ 320W: DM 5KV, CM 10KV;
- ▶ Degrees of protection: IP67;
- ▶ 5 Years warranty.

Application

- ▶ Suitable for landscape lighting.

Product Selection Guide

Model	Power (W)	Output voltage (Vdc)	Output current (A)	Typ. Eff.	Typ. PF	Dimensions (L*W*H)mm
LSV-035B012	35	12	0 ~ 2.90	85%	0.95	199*42.5*34.5
LSV-035B024	35	24	0 ~ 1.46	87%	0.95	199*42.5*34.5
LSV-035B036	35	36	0 ~ 0.97	87%	0.95	199*42.5*34.5
LSV-035B048	35	48	0 ~ 0.73	88%	0.95	199*42.5*34.5
LSV-050B012	50	12	0 ~ 4.17	85%	0.95	199*42.5*34.5
LSV-050B024	50	24	0 ~ 2.08	88%	0.95	199*42.5*34.5
LSV-050B036	50	36	0 ~ 1.39	89%	0.95	199*42.5*34.5
LSV-050B048	50	48	0 ~ 1.04	89%	0.95	199*42.5*34.5
LSV-075B012	75	12	0 ~ 6.25	89%	0.96	164*68*39
LSV-075B024	75	24	0 ~ 3.13	87%	0.96	164*68*39
LSV-075B036	75	36	0 ~ 2.08	87%	0.96	164*68*39
LSV-075B048	75	48	0 ~ 1.56	87%	0.96	164*68*39
LSV-100B012	100	12	0 ~ 8.33	91%	0.96	178*68*39
LSV-100B024	100	24	0 ~ 4.17	91%	0.96	178*68*39
LSV-100B036	100	36	0 ~ 2.78	92%	0.96	178*68*39
LSV-100B048	100	48	0 ~ 2.08	92%	0.96	178*68*39
LSV-150B012	150	12	0 ~ 12.5	90%	0.96	207*68*39
LSV-150B024	150	24	0 ~ 6.25	91%	0.96	207*68*39
LSV-150B036	150	36	0 ~ 4.17	91%	0.96	207*68*39
LSV-150B048	150	48	0 ~ 3.13	91%	0.96	207*68*39
LSV-200B012	200	12	0 ~ 16.67	91%	0.96	232*68*43.5
LSV-200B024	200	24	0 ~ 8.33	92%	0.96	232*68*43.5
LSV-200B036	200	36	0 ~ 5.56	92%	0.96	247*68*43.5
LSV-200B048	200	48	0 ~ 4.17	92%	0.96	247*68*43.5
LSV-320B012	264	12	0 ~ 22.00	91%	0.96	234*98*40
LSV-320B024	320	24	0 ~ 13.33	92%	0.96	234*98*40
LSV-320B036	320	36	0 ~ 8.90	92%	0.96	234*98*40
LSV-320B048	320	48	0 ~ 6.67	92%	0.96	234*98*40



V6E Series Constant Voltage LED Driver

Features

- ▶ Input voltage range: 176 ~ 264Vac;
- ▶ Constant voltage design;
- ▶ High power factor > 0.97;
- ▶ THD<10%;
- ▶ Multiple protection: Input UVP, output SCP, OVP, OTP, OCP;
- ▶ Surge protection: DM 6KV, CM 10KV;
- ▶ Degrees of protection: IP67;
- ▶ 5 Years warranty.

Application

- ▶ Suitable for landscape lighting.

Product Selection Guide

Model	Power (W)	Output voltage (Vdc)	Output current (A)	Typ. Eff.	Typ. PF	Dimensions (L*W*H)mm
V6E-075B012	75	12	0 ~ 6.25	88.0%	0.97	137.5*67.2*37
V6E-075B024	75	24	0 ~ 3.20	89.0%	0.97	137.5*67.2*37
V6E-075B036	75	36	0 ~ 2.10	89.0%	0.97	137.5*67.2*37
V6E-100B024	100	24	0 ~ 4.20	90.0%	0.97	147.5*67.2*37
V6E-100B036	100	36	0 ~ 2.80	90.0%	0.97	147.5*67.2*37
V6E-150B024	150	24	0 ~ 6.30	93.0%	0.97	162.5*67.2*37
V6E-150B036	150	36	0 ~ 4.20	93.0%	0.97	162.5*67.2*37
V6E-200B024	200	24	0 ~ 8.40	93.5%	0.97	175.5*67.2*37
V6E-200B036	200	36	0 ~ 5.60	93.5%	0.97	175.5*67.2*37
V6E-240B024	240	24	0 ~ 10.00	93.5%	0.97	193.5*67.2*37
V6E-240B036	240	36	0 ~ 6.70	93.5%	0.97	193.5*67.2*37
V6E-320B024	320	24	0 ~ 13.40	93.0%	0.97	224.5*96.8*40
V6E-320B036	320	36	0 ~ 8.90	93.5%	0.97	224.5*96.8*40
V6E-320B048	320	48	0 ~ 6.70	93.5%	0.97	224.5*96.8*40
V6E-350B024	350	24	0 ~ 14.60	93.5%	0.97	224.5*96.8*40
V6E-350B036	350	36	0 ~ 9.80	93.5%	0.97	224.5*96.8*40
V6E-350B048	350	48	0 ~ 7.30	93.5%	0.97	224.5*96.8*40

36W~72W Constant Voltage LED Driver



Features

- ▶ Input voltage range: 176 ~ 264Vac;
- ▶ Constant voltage design;
- ▶ Active power factor correction;
- ▶ High power factor > 0.96;
- ▶ Multiple protection: SCP, OVP, OCP;
- ▶ Surge protection: DM 1KV, CM 2KV;
- ▶ Degrees of protection: IP65;
- ▶ 3 Years warranty.

Application

- ▶ Suitable for landscape lighting.

Product Selection Guide

Model	Power (W)	Output voltage (Vdc)	Output current (A)	Typ. Eff.	Typ. PF	Dimensions (L*W*H)mm	Certification
LDV-036B024	36	24	0~1.50	87%	0.96	222*29*20	CCC/CE/TUV
LDV-060B024	60	24	0~2.50	87%	0.96	242*40*22	
LDV-072B024	72	24	0-3.13	87%	0.96	242*40*22	CCC

MSV Series Constant Voltage LED Driver



Features

- ▶ Input voltage range: 180~264Vac;
- ▶ Constant voltage output;
- ▶ Low inrush current <12A (for 400W)
- ▶ High power factor up to 0.98 (for 400W);
- ▶ Design against rain splash;
- ▶ Multiple protection: SCP, OVP, OLP, OTP;
- ▶ Surge protection: DM 2KV, CM 4KV(for 400W);
- ▶ 3 Years warranty;

Application

- ▶ Suitable for landscape lighting.

Product Selection Guide

Model	Power (W)	Output voltage (Vdc)	Output current (A)	Typ. Eff.	Dimensions (L*W*H)mm
MSV-350B012	350	12	0~26.7	88%	220*130*48
MSV-350B024	350	24	0~14.5	90%	220*130*48
MSV-400B024	400	24	0~16.7	92%	220*130*48



LUC/XUP Programmable LED Driver



Features

- ▶ Universal input voltage: 100 ~ 264Vac;
- ▶ High power factor >0.95;
- ▶ THD<10%;
- ▶ Multiple protection: SCP, OVP, OTP;
- ▶ DALI dimming control, dim-to-off;
- ▶ Surge protection: line-line 2KV, line-earth 4KV;
- ▶ Degrees of protection: LUC series IP67, XUP series IP65;
- ▶ 5 Years warranty.

Application

- ▶ Metro, underground parking, office, hotel, hospital, and other indoor or outdoor lighting.

Product Selection Guide

Model	Power (W)	Output voltage range(Vdc)	Max. current (A)	Default output spec	Typ. Eff.	Typ. PF	Dimensions (L*W*H)mm
LUC-025D062H	19	20-45	0.42	20-45V/0.42A	85.0%	0.96	173*47.6*35
LUC-042D062H	37	20-45	0.83	20-45V/0.83A	86.0%	0.96	173*47.6*35
XUP-012D048	12	28-48	0.33	28-36V/0.33A	83.0%	0.96	114*59*32
XUP-018D048	18	28-48	0.50	28-36V/0.50A	83.0%	0.96	114*59*32
XUP-026D048	26	28-48	0.73	28-35V/0.73A	85.0%	0.96	114*59*32
XUP-036D048	36	28-48	1.00	28-36V/1.00A	86.0%	0.96	114*59*32
XUP-042D048	42	28-48	1.16	28-36V/1.16A	87.0%	0.96	114*59*32
XUP-054D048	54	28-48	1.50	28-36V/1.5A	88.0%	0.96	114*59*32



X6 Series Programmable LED Driver

Features



- ▶ Input voltage: 90-305Vac;
- ▶ Constant power design;
- ▶ Offline programmable;
- ▶ 0-10V, PWM, Timer dimming. Dim-to-off;
- ▶ 12V/0.3A auxiliary power supply is optional;
- ▶ Protections: SCP, OVP, OTP;
- ▶ Surge protection: DM 5KV, CM 10KV;
- ▶ Protections: SCP, OVP, OTP;
- ▶ 5 Years warranty.

Application

- ▶ Horticulture Lighting.

Product Selection Guide

Model	Power (W)	Output voltage range (Vdc)	Full power current adjustable range (A)	Default output spec	Typ. Eff.	Typ. PF	Dimensions (L*W*H)mm
X6-105M062	105	38~62	1.69~2.50	38~50V/2.10A	91.0%	0.97	153.6*68*37
X6-150M062	150	38~62	2.42~3.60	38~47V/3.15A	91.0%	0.97	173.6*68*37
X6-200M062	200	38~62	3.23~5.00	38~47V/4.20A	92.0%	0.97	193.6*68*39
X6-240M062	240	38~62	3.88~5.71	38~48V/5.00A	93.0%	0.97	208.6*68*39
X6-240M062A12	240	38~62	3.88~5.71	38~48V/5.00A	93.0%	0.97	208.6*68*39
X6-320M062	320	38~62	5.20~7.50	38~47V/6.70A	93.0%	0.97	232*98*42
X6-320M062A12	320	38~62	5.20~7.50	38~47V/6.70A	93.0%	0.97	232*98*42
X6-600M056	600	27~56	11.2~12.5	30~53V/11.20A	94.0%	0.97	277*144*48.5
X6-600M056A12	600	27~56	11.2~12.5	30~53V/11.20A	94.0%	0.97	277*144*48.5
X6-600M134	600	54~134	4.48~5.60	54~107V/5.60A	94.5%	0.97	277*144*48.5
X6-600M134A12	600	54~134	4.48~5.60	54~107V/5.60A	94.5%	0.97	277*144*48.5



Features

CEULUSClass PFC

- ▶ Input voltage: 108-305Vac;
 - ▶ Constant power design;
 - ▶ Offline programmable;
 - ▶ 0-10V, PWM, Timer dimming. Dim-to-off;
 - ▶ 12V/0.3A auxiliary power supply;
 - ▶ Hot plug in operation;
- ▶ Surge protection:
DM 4KV, CM 6KV;
DM 6KV, CM 10KV optional;
 - ▶ Protections: SCP, OVP, OTP;
 - ▶ 5-8 Years warranty.

Application

- ▶ Horticulture Lighting.

Product Selection Guide

Model	Power (W)	Output voltage range(Vdc)	Output current adjustable range (A)	Full power current adjustable range (A)	Typ. Eff.
P1-320M056	320	27-56	0.67~6.70	5.71~6.70	93.0%
P1-600M056	600	27-56	1.25~12.50	10.71~12.50	94.0%
P1-680M056	680	27-56	1.42~14.20	12.10~14.20	94.0%

Features

ULUSClass PFC

- ▶ Input voltage: 249-528Vac;
 - ▶ Constant power design;
 - ▶ Offline programmable;
 - ▶ 0-10V, PWM, Timer dimming. Dim-to-off;
 - ▶ 12V/0.3A auxiliary power supply;
 - ▶ Hot plug in operation;
- ▶ Surge protection:
DM 4KV, CM 6KV;
DM 6KV, CM 10KV optional;
 - ▶ Protections: SCP, OVP, OTP;
 - ▶ 5-8 Years warranty.

Application

- ▶ Horticulture Lighting.

Product Selection Guide

Model	Power (W)	Output voltage range(Vdc)	Output current adjustable range (A)	Full power current adjustable range (A)	Typ. Eff.
P1H-320M056	320	27-56	0.67~6.70	5.71~6.70	93.0%
P1H-600M056	600	27-56	1.25~12.50	10.71~12.50	94.0%
P1H-680M056	680	27-56	1.42~14.20	12.10~14.20	94.0%

10KV Surge Protection Device



Features

- ▶ Class I configuration;
- ▶ protection Level L-N, L-PE, N-PE;
- ▶ Meet the standard requirements of EN61643-11;
- ▶ Thermal fuse disconnected;
- ▶ Three-wire series style;
- ▶ Suitable for surge protection of LED driver;
- ▶ Degree of protection: IP67.

Application

- ▶ Used outdoors or to protect outdoor electrical equipment.

Specification

Model	MSP-10K-SURGE SPD		
Application system	Single phase power supply protection level D		
Operating voltage Uo	100-277VAC 50/60Hz		
Continued operating voltage Uc	320VAC		
Level of voltage protect Up	L-N<1.2KV; L/N-PE<1.5KV		
Nominal discharge current In(8/20us)	L-N	L-PE	N-PE
	5kA	5kA	5kA
Maximum discharge current Imax(8/20us)	L-N	L-PE	N-PE
	10kA	10kA	10kA
Combination wave Uoc	10kV		
Maximum input current	10A(AC)		
Response speed tA	L-N ≤25ns N-PE≤100ns; L-PE≤100ns		
Applicable temperature	-40 ~ +70°C		
Standards complied	Conform to UL 1449 (Class I) ; GB18802.1; EN61643-11		
Dimension	62*35*36 (L*W*H) mm		
Sectional area of mounting	3x1.0 mm2		
LED indication function	SPD working normal	SPD failure	
	Turn on	Turn off	

10KV Surge Protection Device



Features

- ▶ Class I configuration;
- ▶ protection Level L-N, L-PE, N-PE;
- ▶ Meet the standard requirements of EN61643-11;
- ▶ Thermal fuse disconnected;
- ▶ Three-wire series style;
- ▶ Suitable for surge protection of LED driver;
- ▶ Degree of protection: IP67.

Application

- ▶ Used outdoors or to protect outdoor electrical equipment.

Specification

Model	MSP-10K-SURGE SPD		
Application system	Single phase power supply protection level D		
Operating voltage Uo	220VAC 50/60Hz		
Continued operating voltage Uc	320VAC		
Level of voltage protect Up	L-N<1.3KV; L/N-PE<1.3KV		
Nominal discharge current In(8/20us)	L-N	L-PE	N-PE
	5kA	5kA	5kA
Maximum discharge current Imax(8/20us)	L-N	L-PE	N-PE
	10kA	10kA	10kA
Combination wave Uoc	10kV		
Maximum input current	8A(AC)		
Response speed tA	L-N ≤65ns N-PE≤65ns; L-PE≤65ns		
Applicable temperature	-40 ~ +70°C		
Standards complied	Conform to UL 1449 (Class I) ; GB18802.1; EN61643-11		
Dimension	81.5*37.6*16 (L*W*H) mm		
Sectional area of mounting	3x1.0 mm2		
LED indication function	SPD working normal	SPD failure	
	Turn on	Turn off	

20KV Surge Protection Device



Features

- ▶ Protection Mode: L-N, L-PE, N-PE;
- ▶ Function of heat protection, High safety;
- ▶ Three-wire series style;
- ▶ Suitable for surge protection of LED driver;
- ▶ High discharge capacity, low residual voltage better protective effect;
- ▶ Degree of protection: IP67;

Application

- ▶ Used outdoors or to protect outdoor electrical equipment.

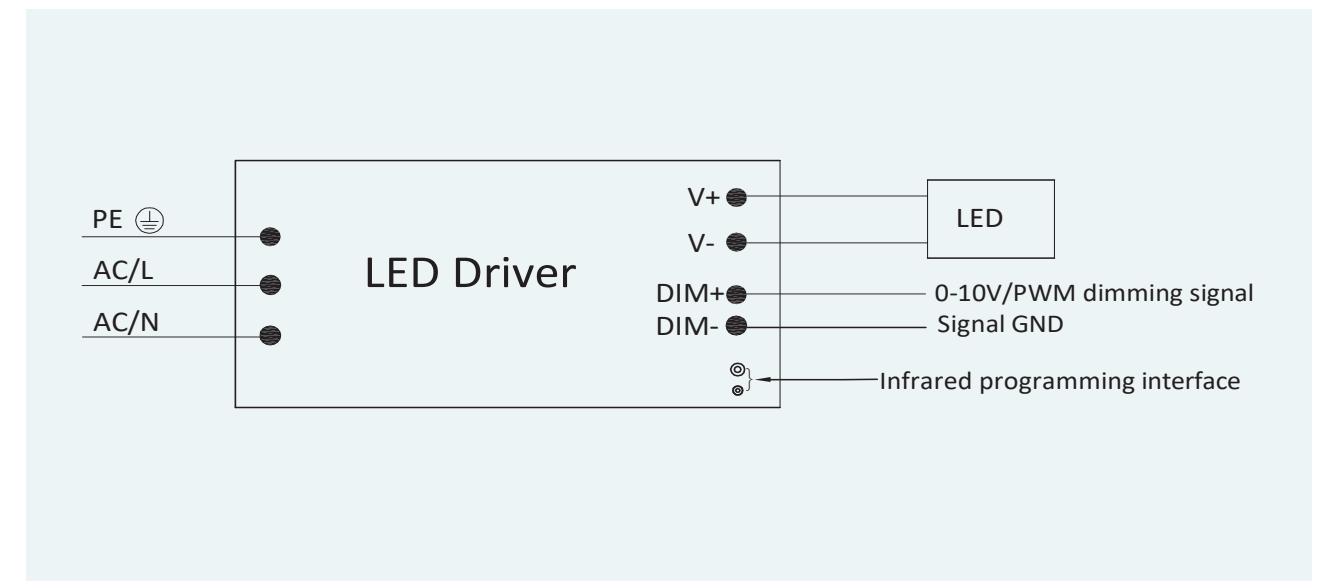
Specification

Model	MSP-20K-SURGE	
Application system	Single Phase power supply Protection level D	
Operating voltage U0	100-277VAC 50/60Hz	
Maximum continuous	320VAC, 50/60Hz	
Level of voltage protect Up	L-N<1.2KV; L/N-PE<1.5KV	
Nominal discharge Current In	10kA (8/20us)	
Maximum discharge Current Imax	20kA (8/20us)	
Rated current	10A	
Response speed ta	L-N:25ns; L/N-PE:100ns	
Applicable temperature	-40~+70°C	
Standards complied	Conform to UL 1449 (Class I) ; GB18802.1 ; EN61643-11	
Dimension	62*35*36 (L*W*H) mm	
Sectional area of mounting	3x1.0 mm2	
LED indication function	SPD working Normal	SPD Failure
	Turn On	Turn Off

Intelligent Control

Intelligent control suitable for LDP, LUP, LCP, LHP Series (M&R model) .

Intelligent Control Interface



Configure Output Current Via Controller



1. Inserting receiving terminal of the remote controller into the bigger hole site of side plate of the power supply, shown as the left picture.
2. First, press the key "ON" to unlock, then press the function key to adjust current what you need within 10S.

Operation instruction:

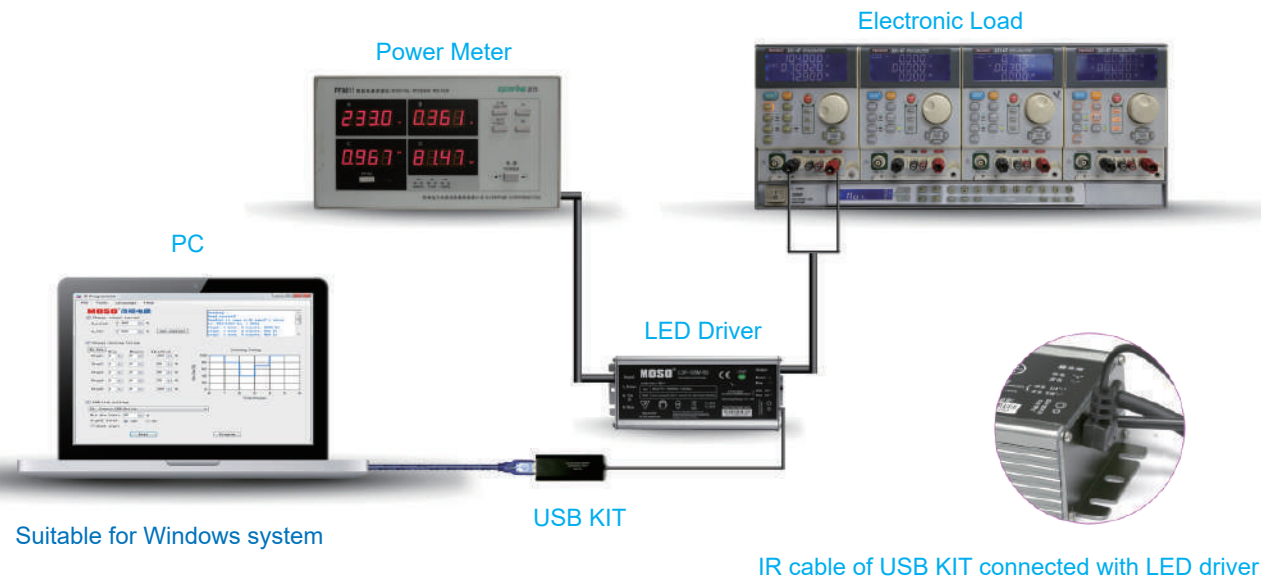
- ✖ 10%-100% : Different rate of maximum output current.
- ✖ +, - : Current fine tuned-keys, every step is 1%.
- ✖ ON : The key of opening the controller.
- ✖ OFF : The key of setting the minimum current.
- ✖ SET : Reserved key, no function by now.

Warning: Please do not continuously press "+" to avoid the over power protection and unstable output.

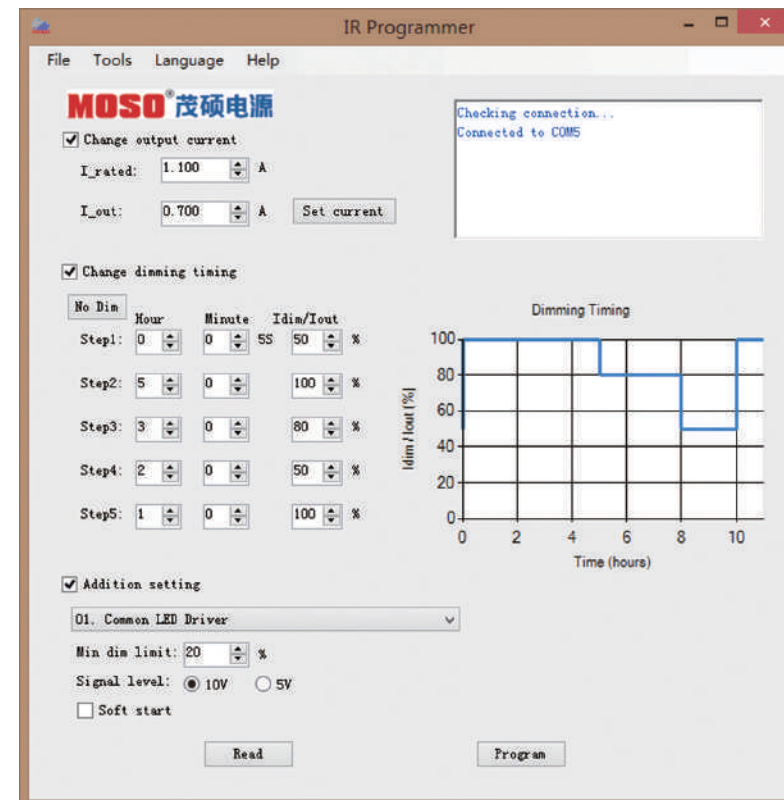
Programming Operation Guide

Off-line Programming

User-friendly connection of programming without necessary to power on device(suitable for X6, XCP, X6I, PHC, MTP Series).



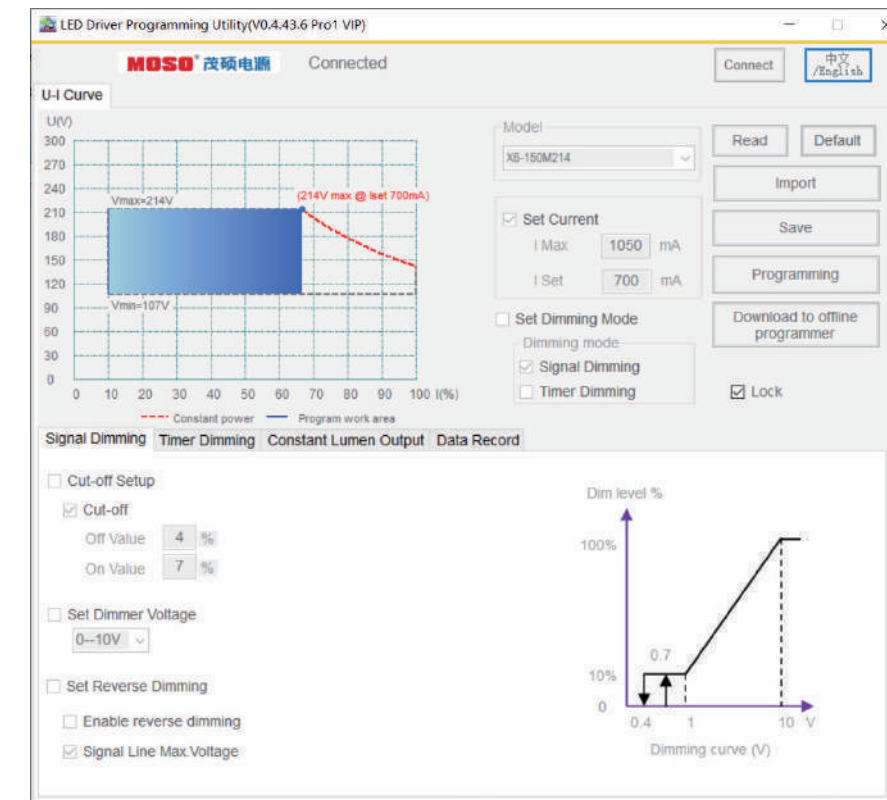
Software Operation Guide



In both Chinese and English interface.

- 1) Change output current;
- 2) Change dimming timing;
- 3) Addition setting
Set min. dim value;
Set signal level can be 5V or 10V;
Set soft start;
- 4) Read setting.

Software Operation Guide



- Visual programming
- Set output current;
 - Read highest historical temperature;
 - Set Timer dimming, up to 7 phases;
 - Set output lumen compensation;
 - Set dimming level and PWM signal.

Global Distributors

Country	Distributor	Tel	Website
Argentina	Arrow Argentina	+ 54-11-53656950	www.arrow.com
ASEAN	Arrow Components (M) Sdn Bhd	+604 222 6186 Ext 52186/ G14	www.arrow.com
ASEAN	Future Electronics	+604 2912 112	www.futurelightingsolu- tions.com
Brazil	Future Electronics Brazil	+55 -11- 23137900	www.futureelectronics.com
Brazil	Alphatech	+55-11-29763433	www.alphatech.com.br
Hong Kong	PEGASUS Electronics	+(852) 2153 8686	www.pgsel.com
India	SEMICONIC DEVICES PVT. LTD	+9540012160	www.semiconic.com
India	Kevin Electrochem	+ 91 98190 71533	www.kevinelectrochem. com/aboutKevin.aspx
Italy	Welt Electronic Spa	+39 055 302 631	www.weltelectronic.it
Mexico	Pablo S. Hatchett	+ 52-33-15241514	www.hagoledlighting.com
Portugal	INELEC, S.A.	+ 34 91 726 35 07	www.inelec.net
Russia	Intech Lighting (Group of Macro compa- nies)	+7 (812) 370 60 70	www.intech-light.ru
Spain	INELEC, S.A.	+ 34 91 726 35 07	www.inelec.net
Poland	MPL Power Elektro SP.z.o.o.	+48 324400950	www.mplpower.pl
the Netherlands Belgium	Alcom Electronics B.V.	+31(0)102882500 +32 (0)34583033	www.alcom.nl www.alcom.be
Turkey	ISIKLAR LED	+90 216 445 70 03	www.isiklarled.com
Turkey	PEGASUS Elektronik	+90 212 322 71 00	www.pgsel.com
USA	Component Distributors, Inc.	+1 303 357 2732	www.cdiweb.com
USA	NRC Electronics, Inc.	+1 561 241 8600	www.nrcelectronics.com



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