

LED Driver

Lighting in better ways



Guide to LED products

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MOONS'
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MOONS' Official Website



Products Searching Center

• All specifications and technical parameters of the products provided in this catalog are for reference only. Content will be renewed aperiodically.
For details, please contact our sales team.



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About us

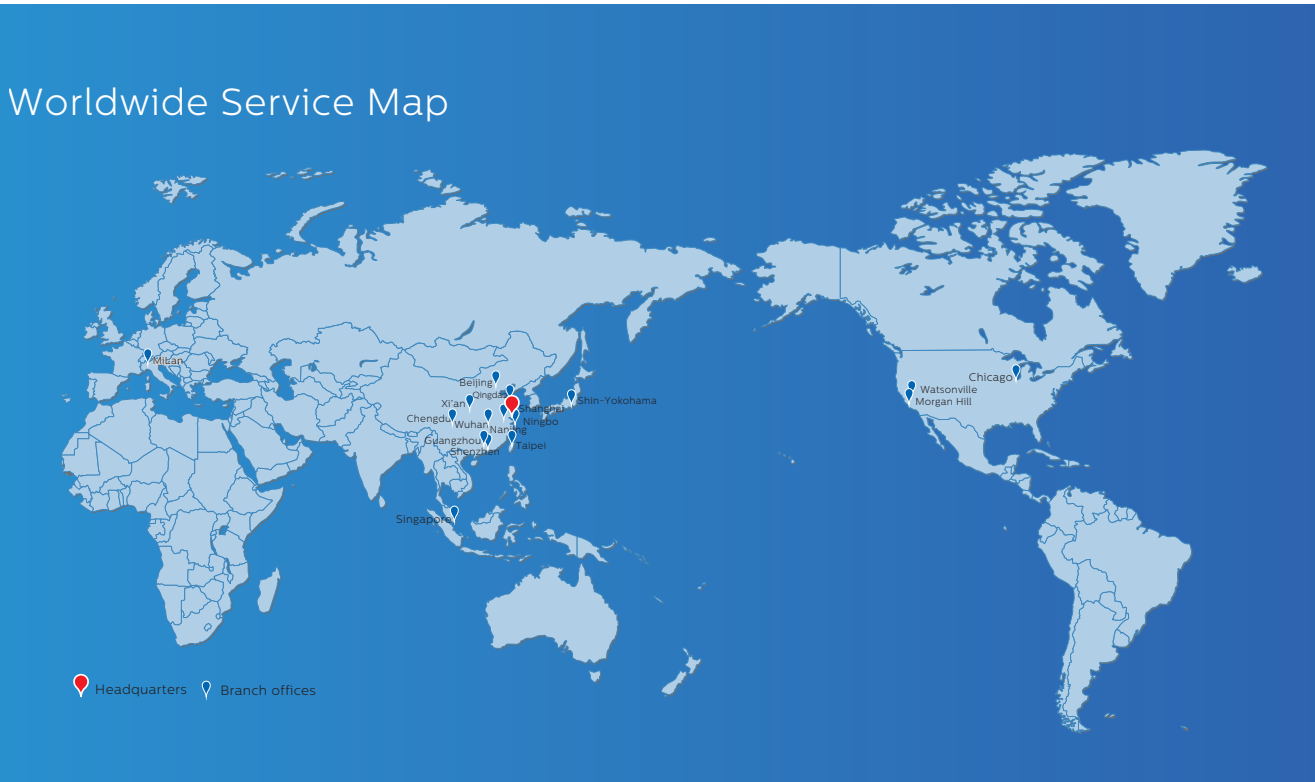


MOONS'
moving in better ways

Shanghai MOONS' was founded in February, 1994 with registered capital exceeding 10 million U.S. dollars and with the total investment exceeding 25 million U.S. dollars. Our business campus covers an area of over 50, 000 square meters with a work force of over 2,000 employees with the majority being technical and sales professionals. MOONS' currently has nine branches within China and established a global sales network and technique support centre in North America, Europe ,East Asia and Southeast Asia.

Shanghai MOONS' Automation Control Co., Ltd. is a professional Hi-Tech manufacturing organization producing Intelligent Control Systems, System Integration Technology, Drivers, and Communication Devices. Our quality systems and processes are ISO 9001, ISO 14001, BS OHSAS 18001 certified and met the most stringent software qualification and system integration requirements. The majority of our products have been listed and/or approved by CCC, UL, CUL, TÜV, CB, CE, PSE or ETL.

MOONS' water proof drivers are widely used in outdoor, highbay,roadway & landscape lighting, as well as with indoor building automation systems. MOONS' goal is to provide the “ Intelligent Control and Driver Solutions” for our customers.



Quick Selection Chart

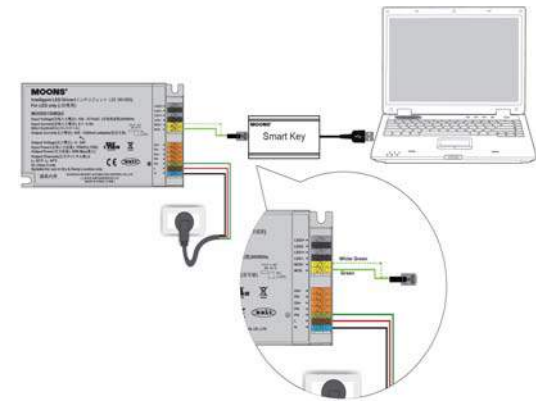
Driver Type	Description	Input Range	Power (Watt)	Series Designation	PFC		Dimming	Certificate	IP Level	Page
					Single Stage	Two Stage				
General Driver	Constant Power Series	176-305VAC	75	ME075MxxxAQ_CP		√	0-10V PWM Resistance Clock Dimming	CCC, ENEC, EAC	67	8
			100	ME100MxxxAQ_CP		√		CCC, ENEC, EAC	67	
			150	ME150HxxxAQ_CP		√		CCC, CE, TUV, ENEC, EAC	67	
			200	ME200HxxxAQ_CP		√		CCC, CE, ENEC, EAC	67	
			250	ME250HxxxAQ_CP		√		CCC, CE, TUV, EAC	67	
		249-528VAC	50	MT050AxxxAQ_CP		√		UL	67	10
			100	MT100AxxxAQ_CP		√		UL, EAC	67	
			150	MT150AxxxAQ_CP		√		UL, EAC	67	
			240	MT240HxxxAQ_CP		√		UL, CE, ENEC, EAC	67	
			320	MT320HxxxAQ_CP		√		UL, EAC	67	
		90-305VAC	50	MU050HxxxAQ_CP		√		UL, CE, CB, ENEC, EAC	67	12
			75	MU075MxxxAQ_CP		√		UL, CE, CB, ENEC, EAC	67	
			100	MU100MxxxAQ_CP		√		UL, CE, CCC, CB, EAC	67	
			150	MU150HxxxAQ_CP		√		UL, CE, CCC, CB, EAC	67	
			240	MU240HxxxAQ_CP		√		UL, CE, CB, EAC	67	
			320	MU320HxxxAQ_CP		√		UL, CCC, CE, CB, EAC	67	
			100	MU100RxxxAQ_CP		√		UL/CUL Class P, CB, CE, ENEC	67	14
			160	MU160RxxxAQ_CP		√		UL/CUL Class P	67	
			200	MU200RxxxAQ_CP		√		UL/CUL Class P	67	
			240	MU240RxxxAQ_CP		√		UL/CUL Class P	67	
	High Bay Series	90-305VAC	260	MU260HxxxAQ_CP		√		UL, CE, CB, EAC	67	
			260	MU260HxxxAQ1_CP		√		UL, CE, CB, EAC	67	
			260	MU260HxxxAQ1_CP		√		UL, CE, CB, EAC	67	
	H-Plastic Case Series	90-305VAC	12	PU012HxxxAQ	√		No Dimming	UL, CE, CB, TUV, EAC	66	16
			25	PU025HxxxAQ_XXX	√			UL, CCC, CB, CE, ENEC, EAC	66	
			40	PU040HxxxAQ_XXX	√			PSE, UL, CB, CE, ENEC, EAC	66	
	H-Metal Case Series	90-305VAC	150	MU150HxxxAQ_XXX		√	0-10V PWM Resistance Clock Dimming	PSE, UL, CCC, CB, CE, TUV, ENEC, EAC	67	18
			200	MU200HxxxAQ_XXX		√		PSE, UL, CCC, CB, CE, TUV, ENEC, EAC	67	
Intelligent Driver	S Series	90-305VAC	50	DALI		√	DALI	PSE, UL/CUL Class P, CCC, CE, CB, ENEC, EAC, BIS	20	20
				DMX(RDM)		√	DMX(RDM)		20	
				0-10V		√	0-10V		20	
	DC-DC Driver	20-60VDC	85	DMX(RDM)		√	DMX	UL, CE, ENEC, EAC	66	21

Accessories-Smartkey

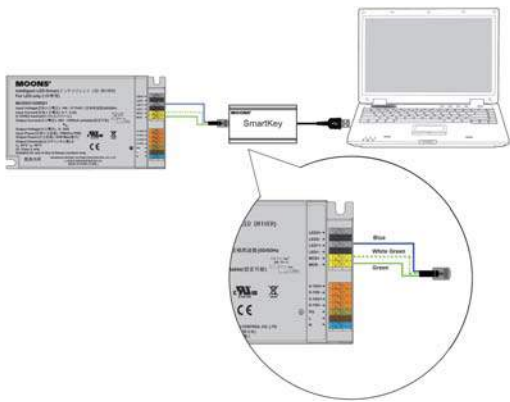


SmartKey is the programmer of Intelligent driver.

SmartKey Network and SmartKey are compatible with MOONS’ DALI, 0-10V, DMX Intelligent drivers.They can be used to set the configuration parameters of MOONS’ DALI, 0-10V, DMX intelligent drivers.



The hardware connection of charged programming mode.



The hardware connection of uncharged programming mode.

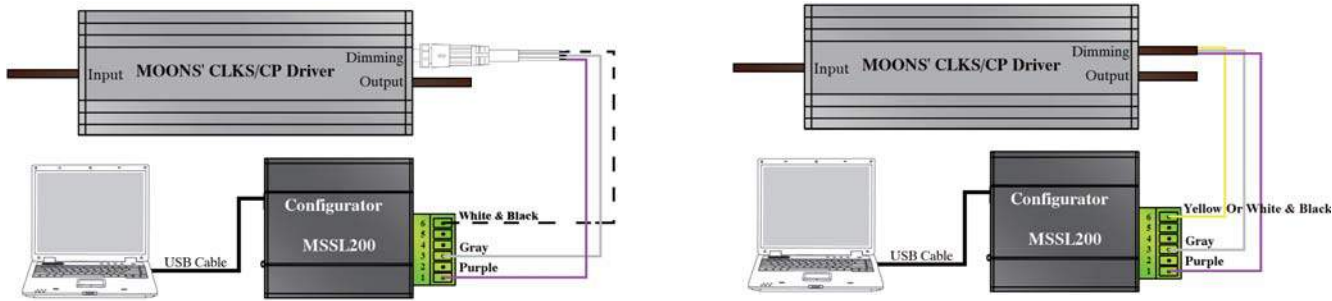
The main software interface of SmartKey Network Software.

- Set drivers' Type.
- Check driver's firmware version.
- Set driver's dimming curve.
- Set driver's minimum diming level.
- Set drivers' other parameters,e.g.CCT,fade time.
- Set driver's output current value.

Accessories-MSSL200

MSSL200 is the programmer of CLKS or CP Series driver

The Programmable Driver Configurator Software and Configurator are compatible with MOONS' CLKS and CP drivers.They can be used to set the configuration parameters of MOONS' CLKS and CP drivers.



The hardware connection of configuring MOONS' CLKS/C or CP/C driver.

The hardware connection of configuring MOONS' CLKS/W or CP/W driver

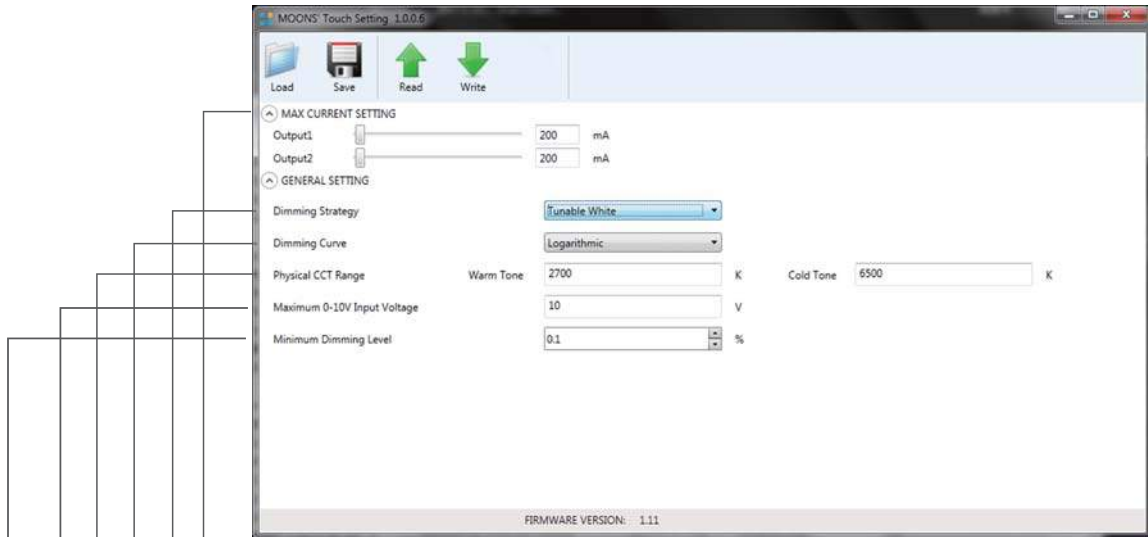
The main software interface of Programmable Driver Configurator Software

- Set driver's output current value, the minimum adjustable unit equals 1mA
- Get driver's maximum output power and current value.
- Set driver's "Start Fade up Time". It means how much time the driver costs to achieve the "Module Current" that the user set.
- Set driver's "Fade up Time". This function is available in the Smart Midnight ClockDIM and Fixed ClockDIM mode; It means how much time the driver costs to achieve another dimming level from previous dimming level.
- Set driver's dimming mode. There are five dimming modes: No dimming, Smart Midnight ClockDIM, Fixed ClockDIM mode, 0-10V dimming and PWM dimming.
- Set the configuration of CLO function. The CLO (Constant Light Output) function can solve the issue of Lumens depreciation.

Accessories-MSSL300

MSSL300 is the programmer of MOONS' DALI, 0-10V, DMX Intelligent drivers.

Touch Setting software and MSSL300 are compatible with MOONS' DALI, 0-10V, DMX Intelligent driver. They can be used to set the configuration parameters of MOONS' DALI, 0-10V, DMX Intelligent driver through TouchSet programming.



The main interface of Touch Setting Software

- Set driver's output current value.
- Set driver's Type.
- Set driver's dimming curve.
- Set driver's color temperature range.
- Set driver's other parameters, e.g. Max 0-10V Input Voltage.
- Set driver's minimum dimming level.



Outdoor Lighting, 10KV Surge Protection Constant Power ME Series

Features:

- Input voltage: 176~305 VAC
- Built-in active PFC function: 0.98 Typ
- High efficiency: up to 94.0%
- Full Power at Wide Output Current Range (Constant Power)
- Settable output current value: 7%~100% rated current
- Optional dimming mode: Constant current, 0-10V, PWM ,Smart Midnight ClockDIM, Fixed ClockDIM
- Waterproof: IP67
- EMC Immunity: EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547, Surge: L-N: 10KV, L/N-FG: 10KV
- 5-year warranty

75-Watt ME075MxxxAQ_CP

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency	Certificate
					230Vac	
ME075M105AQ_CP	700-1050	70-1050	43-108	173 x 67.5 x 37	90.0%	
ME075M150AQ_CP	1000-1500	100-1500	30-75		89.0%	
ME075M210AQ_CP	1400-2100	140-2100	22-54		88.0%	
ME075M300AQ_CP	2000-3000	200-3000	15-38		88.0%	
ME075M420AQ_CP	2800-4200	280-4200	11-27		87.0%	

100-Watt ME100MxxxAQ_CP

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency	Certificate
					230Vac	
ME100M105AQ_CP	700-1050	70-1050	57-143	183 x 67.5 x 37	90.0%	
ME100M150AQ_CP	1000-1500	100-1500	40-100		90.0%	
ME100M210AQ_CP	1400-2100	140-2100	29-71		89.0%	
ME100M320AQ_CP	2000-3200	200-3200	19-50		88.0%	
ME100M480AQ_CP	3000-4800	300-4800	13-33		87.0%	

150-Watt ME150HxxxAQ_CP

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency	Certificate
					230Vac	
ME150H080AQ_CP	530-800	53-800	113-283	202 x 67.5 x 40	93.0%	
ME150H105AQ_CP	700-1050	70-1050	86-214		93.0%	
ME150H150AQ_CP	1000-1500	100-1500	60-150		92.0%	
ME150H210AQ_CP	1400-2100	140-2100	43-107		91.0%	
ME150H300AQ_CP	2000-3000	200-3000	30-75		91.0%	
ME150H420AQ_CP	2800-4200	280-4200	21-54		90.0%	
ME150H600AQ_CP	4000-6000	400-6000	15-38		89.0%	

200-Watt ME200HxxxAQ_CP

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency	Certificate
					230Vac	
ME200H080AQ_CP	530-800	53-800	150-377	221 x 67.5 x 40	94.0%	
ME200H105AQ_CP	700-1050	70-1050	114-286		94.0%	
ME200H150AQ_CP	1000-1500	100-1500	80-200		94.0%	
ME200H210AQ_CP	1400-2100	140-2100	57-143		93.5%	
ME200H300AQ_CP	2000-3000	200-3000	40-100		93.0%	
ME200H420AQ_CP	2800-4200	280-4200	29-71		92.5%	
ME200H600AQ_CP	4000-6000	400-6000	20-50		92.0%	

250-Watt ME250HxxxAQ_CP

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency	Certificate
					230Vac	
ME250H080AQ_CP	530-800	53-800	189-472	234x 74.5 x 40	94.0%	
ME250H105AQ_CP	700-1050	70-1050	143-357		94.0%	
ME250H150AQ_CP	1000-1500	100-1500	100-250		94.0%	

Note

Programmable_Constant Power_ME-CP Series has two versions MExxxXxxxAQ_CP/W and MExxxXxxxAQ_CP/C
MExxxXxxxAQ_CP/W using 3 wires dimming port (programming port)
MExxxXxxxAQ_CP/C using 3 pins water proof connector dimming port (programming port)



Area Lighting,High Voltage Input:249-528VAC Constant Power MT Series

Features:

- Input voltage: 249~528 VAC
- Built-in active PFC function: 0.98 Typ
- High efficiency: up to 94.0%
- Full Power at Wide Output Current Range (Constant Power)
- Settable output current value: 7%~100% rated current
- Optional dimming mode: Constant current, 0-10V, PWM ,Smart Midnight ClockDIM, Fixed ClockDIM
- Waterproof: IP67
- EMC Immunity: EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547
- Type HL for use in a class I, Division 2 hazardous (Classified) location luminaires
- 5-year warranty

50-Watt MT050AxxxAQ_CP

Surge: L-N: 6KV, L/N-FG:6KV

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
					277Vac	480Vac	
MT050A053AQ_CP	350-530	35-530	57-143	102 x 80 x 48	86.0%	88.0%	
MT050A080AQ_CP	500-800	50-800	37-100		86.0%	88.0%	
MT050A105AQ_CP	700-1050	70-1050	25-71		85.0%	87.0%	
MT050A135AQ_CP	900-1350	90-1350	22-56		85.0%	87.0%	
MT050A200AQ_CP	1300-2000	130-2000	15-38		84.0%	86.0%	

100-Watt MT100AxxxAQ_CP

Surge: L-N: 6KV, L/N-FG:6KV

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
					277Vac	480Vac	
MT100A105AQ_CP	700-1050	70-1050	57-143	221 x 67.5 x 37	88.0%	90.0%	
MT100A150AQ_CP	1000-1500	100-1500	40-100		88.0%	90.0%	
MT100A210AQ_CP	1400-2100	140-2100	29-71		87.0%	89.0%	
MT100A320AQ_CP	2000-3200	200-3200	19-50		87.0%	89.0%	

150-Watt MT150AxxxAQ_CP

Surge: L-N: 6KV, L/N-FG:6KV

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
					277Vac	480Vac	
MT150A105AQ_CP	700-1050	70-1050	86-214	245 x 67.5 x 37	88.0%	90.0%	
MT150A150AQ_CP	1000-1500	100-1500	60-150		88.0%	90.0%	
MT150A210AQ_CP	1400-2100	140-2100	43-107		87.0%	89.0%	
MT150A300AQ_CP	2000-3000	200-3000	30-75		87.0%	89.0%	
MT150A420AQ_CP	2800-4200	280-4200	21-54		86.0%	88.0%	
MT150A600AQ_CP	4000-6000	400-6000	15-38		85.0%	87.0%	

240-Watt MT240HxxxAQ_CP

Surge: L-N: 4KV, L/N-FG:6KV

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
					277Vac	480Vac	
MT240H105AQ_CP	700-1050	70-1050	137-343	223 x 90 x 45	90.5%	93.5%	
MT240H150AQ_CP	1000-1500	100-1500	96-240		90.5%	93.5%	
MT240H210AQ_CP	1400-2100	140-2100	68-171		90.5%	93.5%	
MT240H300AQ_CP	2000-3000	200-3000	48-120		90.5%	93.5%	
MT240H420AQ_CP	2800-4200	280-4200	34-86		90.5%	93.5%	
MT240H600AQ_CP	4000-6000	400-6000	24-60		90.0%	93.0%	

320-Watt MT320HxxxAQ_CP

Surge: L-N: 4KV, L/N-FG:6KV

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
					277Vac	480Vac	
MT320H105AQ_CP	700-1050	70-1050	183-457	251 x 90 x 44.5	91.0%	94.0%	
MT320H150AQ_CP	1000-1500	100-1500	128-320		91.0%	94.0%	
MT320H210AQ_CP	1400-2100	140-2100	91-228		90.0%	93.0%	
MT320H300AQ_CP	2000-3000	200-3000	64-160		90.0%	93.0%	
MT320H420AQ_CP	2800-4200	280-4200	46-114		90.0%	93.0%	
MT320H600AQ_CP	4000-6000	400-6000	32-80		90.0%	93.0%	
MT320H800AQ_CP	6000-8000	600-8000	24-53.5		90.5%	93.5%	
MT320H1050AQ_CP	7900-10500	790-10500	18-40.5		90.5%	93.5%	
MT320H1330AQ_CP	10000-13300	100-13300	14-32		90.5%	93.5%	

Note

Programmable_Constant Power_ME-CP Series has two versions MUxxxXxxxAQ_CP/W and MUxxxXxxxAQ_CP/C
MUxxxXxxxAQ_CP/W using 3 wires dimming port (programming port)
MUxxxXxxxAQ_CP/C using 3 pins water proof connector dimming port (programming port)



Outdoor Lighting, Global Voltage Input:90-305VAC

Constant Power MU Series

Features:

- Input voltage: 90~305 VAC
- Built-in active PFC function: 0.98 Typ
- High efficiency: up to 93.0%
- Full Power at Wide Output Current Range (Constant Power)
- Settable output current value: 7%~100% rated current
- Optional dimming mode: Constant current, 0-10V, PWM ,Smart Midnight ClockDIM, Fixed ClockDIM
- Waterproof: IP67
- EMC Immunity: EN61000-4-2, 3, 4, 5, 6, 8, 11, EN61547
- Type HL for use in a class I, Division 2 hazardous (Classified) location luminaires
- 5-year warranty

50-Watt MU050HxxxAQ_CP

Surge: L-N: 6KV, L/N-FG:6KV

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
					110Vac	220Vac	
MU050H105AQ_CP	700-1050	70-1050	29-71	102 x 80 x 43	86.0%	87.0%	
MU050H135AQ_CP	900-1350	90-1350	22-56		86.0%	87.0%	

75-Watt MU075MxxxAQ_CP

Surge: L-N: 10KV, L/N-FG:10KV

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
					110Vac	230Vac	
MU075M105AQ_CP	700-1050	70-1050	43-108	173 x 67.5 x 37	88.0%	90.0%	
MU075M150AQ_CP	1000-1500	100-1500	30-75		87.0%	89.0%	
MU075M210AQ_CP	1400-2100	140-2100	22-54		86.0%	88.0%	
MU075M300AQ_CP	2000-3000	200-3000	15-38		86.0%	88.0%	

100-Watt MU100MxxxAQ_CP

Surge: L-N: 10KV, L/N-FG:10KV

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
					120Vac	230Vac	
MU100M080AQ_CP	530-800	53-800	75-189	183 x 67.5 x 37	89.0%	91.0%	
MU100M105AQ_CP	700-1050	70-1050	57-143		88.0%	90.0%	
MU100M150AQ_CP	1000-1500	100-1500	40-100		88.0%	90.0%	
MU100M210AQ_CP	1400-2100	140-2100	29-71		87.0%	89.0%	
MU100M320AQ_CP	2000-3200	200-3200	19-50		86.0%	88.0%	

150-Watt MU150HxxxAQ_CP

Surge: L-N: 10KV, L/N-FG:10KV

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
					120Vac	230Vac	
MU150H080AQ_CP	530-800	53-800	113-283	221 x 67.5 x 40	90.0%	93.0%	
MU150H105AQ_CP	700-1050	70-1050	86-214		90.0%	93.0%	
MU150H150AQ_CP	1000-1500	100-1500	60-150		90.0%	93.0%	
MU150H210AQ_CP	1400-2100	140-2100	43-107		90.0%	93.0%	
MU150H300AQ_CP	2000-3000	200-3000	30-75		90.0%	93.0%	
MU150H420AQ_CP	2800-4200	280-4200	21-54		90.0%	93.0%	

240-Watt MU240HxxxAQ_CP

Surge: L-N: 4KV, L/N-FG:6KV

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
					120Vac	230Vac	
MU240H080AQ_CP	530-800	53-800	181-453	251 x 67.5 x 40	90.0%	93.0%	
MU240H105AQ_CP	700-1050	70-1050	137-343		90.0%	93.0%	
MU240H150AQ_CP	1000-1500	100-1500	96-240		90.0%	93.0%	
MU240H210AQ_CP	1400-2100	140-2100	68-171		90.0%	93.0%	
MU240H300AQ_CP	2000-3000	200-3000	48-120		90.0%	93.0%	
MU240H600AQ_CP	4000-6000	400-6000	24-60		89.5%	92.5%	
MU240H800AQ_CP	6000-8000	600-8000	16-40		90.0%	93.0%	
MU240H1200AQ_CP	10000-12000	1000-12000	12-24		90.0%	93.0%	

320-Watt MU320HxxxAQ_CP

Surge: L-N: 4KV, L/N-FG:6KV

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
					120Vac	230Vac	
MU320H105AQ_CP	700-1050	70-1050	183-457	251 x 90 x 44.5	91.0%	94.0%	
MU320H150AQ_CP	1000-1500	100-1500	128-320		91.0%	94.0%	
MU320H210AQ_CP	1400-2100	140-2100	91-228		90.0%	93.0%	
MU320H300AQ_CP	2000-3000	200-3000	64-160		90.0%	93.0%	
MU320H420AQ_CP	2800-4200	280-4200	46-114		90.0%	93.0%	
MU320H800AQ_CP	6000-8000	600-8000	24-53.5		90.0%	93.0%	
MU320H1050AQ_CP	7900-10500	790-10500	18-40.5		90.0%	93.0%	
MU320H1330AQ_CP	10000-13300	1000-13300	14-32		90.0%	93.0%	

Remarks

Programmable_Constant Power_ME-CP Series has two versions MUxxxXxxxAQ_CP/W and MUxxxXxxxAQ_CP/C
MUxxxXxxxAQ_CP/W using 3 wires dimming port (programming port)
MUxxxXxxxAQ_CP/C using 3 pins water proof connector dimming port (programming port)



High Temperature High Bay Lighting, $T_a=65^{\circ}\text{C}$ (260W)

High Bay MU Series

Features:

- Input voltage: 90-305VAC
- Built-in active PFC function: 0.98 Typ.
- High efficiency: up to 93.0%
- Full Power at Wide Output Current Range (Constant Power)
- Constant current/ 0-10V dimming/ clock dimming/ PWM dimming/Dim to off/12V-200mA Aux(optional)/DALI dimming(optional)
- IP67 design for indoor or outdoor installations
- High surge immunity: L-N: 4KV, L/N-FG:6KV
- Compliance to worldwide safety regulations for lighting
- Suitable for dry/damp locations
- Type HL for use in a class I, Division 2 hazardous (Classified) location luminaires
- 5-year warranty

100-Watt MU100RxxxAQ_CP

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)	Certificate
					230Vac	
MU100R210AQ_CP	1400-2100	140-2100	29-71	$\Phi 130^{\circ}70$	91.0%	
MU100R320AQ_CP	2000-3200	200-3200	19-50		90.5%	

160-Watt MU160RxxxAQ_CP

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)	Certificate
					230Vac	
MU160R300AQ_CP	2000-3000	200-3000	32-80	$\Phi 152^{\circ}66.5$	93.0%	
MU160R420AQ_CP	2800-4200	280-4200	23-57		92.0%	

200-Watt MU200RxxxAQ_CP

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)	Certificate
					230Vac	
MU200R375AQ_CP	2500-3750	250-3750	32-80	$\Phi 152^{\circ}66.5$	93.0%	
MU200R560AQ_CP	3700-5600	370-5600	21-54		92.0%	

240-Watt MU240RxxxAQ_CP

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)	Certificate
					230Vac	
MU240R480AQ_CP	3200-4800	320-4800	30-75	$\Phi 190^{\circ}77.5$	93.0%	
MU240R680AQ_CP	4600-6800	460-6800	21-52		92.5%	

260-Watt MU260HxxxAQ_CP ($T_c=75^{\circ}\text{C}$, 50000hours)

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)	Certificate
					230Vac	
MU260H420AQ_CP	2800-4200	280-4200	37-93	$\Phi 190^{\circ}77.5$	93.0%	
MU260H600AQ_CP	4000-6000	400-6000	26-65		93.0%	
MU260H720AQ_CP	4800-7200	480-7200	22-54		93.0%	

260-Watt MU260HxxxAQ1_CP ($T_c=85^{\circ}\text{C}$, 50000hours)

Designation	Rated Output Current (mA)	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)	Certificate
					230Vac	
MU260H420AQ1_CP	2800-4200	280-4200	37-93	$\Phi 191^{\circ}77.5$	93.0%	
MU260H600AQ1_CP	4000-6000	400-6000	26-65		93.0%	
MU260H720AQ1_CP	4800-7200	480-7200	22-54		93.0%	



Garden Lighting H-Plastic Case Series

Features:

- Input voltage: 90-305VAC
- High efficiency: up to 91.0%
- Active PFC: 0.99 typical
- Surge protection: L-N: 2KV
- IP66 compliant
- Constant Current/ 0-10V Dimming/ PWM Dimming/ Clock Dimming(CLKS)
- Compliance to worldwide safety regulations for lighting
- Suitable for dry / damp locations
- Type HL for use in a class I, Division 2 hazardous (Classified) location luminaires
- 5-year warranty

12-Watt PU012HxxxAQ

Designation	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
				110Vac	220Vac	
PU012H025AQ	250	24-48	85 x 36 x 23	85.0%	86.0%	   ENE CB
PU012H030AQ	300	18-36		84.0%	85.0%	
PU012H035AQ	350	18-36		84.0%	85.0%	
PU012H045AQ	450	13-27		83.0%	84.0%	
PU012H053AQ	530	11-23		83.0%	84.0%	
PU012H070AQ	700	8-17		82.0%	83.0%	
PU012H085AQ	850	7-14		81.0%	82.0%	
PU012H100AQ	1000	6-12		80.0%	81.0%	

25-Watt PU025HxxxAQ_XXX

Designation	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
				110Vac	220Vac	
PU025H035AQ_XXX	350	36-72	80 x 78 x 27	88.0%	89.0%	    ENE CB
PU025H045AQ_XXX	450	28-55		87.0%	88.0%	
PU025H053AQ_XXX	530	24-48		86.0%	87.0%	
PU025H070AQ_XXX	700	18-36		86.0%	87.0%	
PU025H105AQ_XXX	1050	12-24		85.0%	86.0%	
PU025H120AQ_XXX	1200	10-21		84.0%	85.0%	
PU025H140AQ_XXX	1400	9-18		83.0%	84.0%	
PU025H175AQ_XXX	1750	7-14		82.0%	83.0%	
PU025H210AQ_XXX	2100	6-12		81.0%	82.0%	

40-Watt PU040HxxxAQ_XXX

Designation	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
				110Vac	220Vac	
PU040H035AQ_XXX	350	57-114	95 x 70 x 32	90.0%	91.0%	    ENE CB
PU040H045AQ_XXX	450	44-89		89.0%	90.0%	
PU040H070AQ_XXX	700	28-54		88.0%	89.0%	
PU040H105AQ_XXX	1050	19-37		87.0%	88.0%	
PU040H140AQ_XXX	1400	14-29		87.0%	88.0%	
PU040H175AQ_XXX	1750	11-23		87.0%	88.0%	
PU040H210AQ_XXX	2100	9-19		87.0%	88.0%	
PU040H245AQ_XXX	2450	8-16		86.0%	87.0%	
PU040H280AQ_XXX	2800	7-14		86.0%	87.0%	
PU040H315AQ_XXX	3150	6-12		85.0%	86.0%	

◆ Remarks

xxx= Blank : Constant current
 xxx = 0-10V : 0-10V / PWM dimming
 xxx= CLKS: 0-10V , PWM Dimming, Constant Current, Clock Dimming



Outdoor Lighting H-Metal Case Series

Features:

- Input voltage: 90-305VAC
- High efficiency: up to 93.0%
- Active PFC: 0.99 typical
- High surge immunity: L-N:4KV, L/N-FG:6KV
- IP67 compliant
- Constant Current / 0-10V Dimming / PWM Dimming/ Clock Dimming(CLKS)
- Compliance to worldwide safety regulations for lighting
- Suitable for dry / damp locations
- Type HL for use in a class I, Division 2 hazardous (Classified) location luminaires
- 5-year warranty

150-Watt MU150HxxxAQ_XXX (Class II optional)

Designation	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
				110Vac	220Vac	
MU150H035AQ_ xxx	350	214-428	221 x 67.5 x 40	90.0%	93.0%	
MU150H045AQ_ xxx	450	167-333		90.0%	93.0%	
MU150H053AQ_ xxx	530	142-283		90.0%	93.0%	
MU150H070AQ_ xxx	700	107-214		90.0%	93.0%	
MU150H085AQ_ xxx	850	88-176		90.0%	93.0%	
MU150H105AQ_ xxx	1050	71-142		89.0%	92.0%	
MU150H120AQ_ xxx	1200	63-125		89.0%	92.0%	
MU150H140AQ_ xxx	1400	54-107		89.0%	92.0%	
MU150H150AQ_ xxx	1500	50-100		89.0%	92.0%	
MU150H175AQ_ xxx	1750	43-85		89.0%	92.0%	
MU150H185AQ_ xxx	1850	41-81		89.0%	92.0%	
MU150H210AQ_ xxx	2100	36-71		89.0%	92.0%	
MU150H245AQ_ xxx	2450	31-61		89.0%	92.0%	
MU150H280AQ_ xxx	2800	27-53		89.0%	92.0%	
MU150H300AQ_ xxx	3000	25-50		88.0%	91.0%	
MU150H315AQ_ xxx	3150	24-48		88.0%	91.0%	
MU150H350AQ_ xxx	3500	21-42		88.0%	91.0%	
MU150H420AQ_ xxx	4200	18-36		88.0%	91.0%	
MU150H500AQ_ xxx	5000	15-30		88.0%	91.0%	

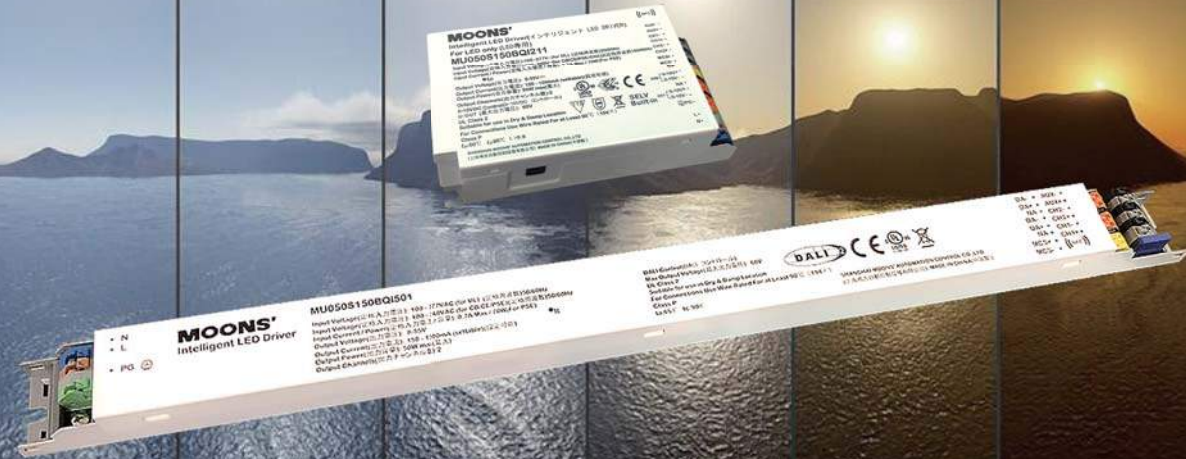
200-Watt MU200HxxxAQ_XXX (Class II optional)

Designation	Output Current (mA)	Output Voltage Range (VDC)	Size (mm)	Efficiency (typical)		Certificate
				110Vac	220Vac	
MU200H035AQ_ xxx	350	286-571	251 x 67.5 x 40	90.5%	93.5%	
MU200H045AQ_ xxx	450	222-444		90.5%	93.5%	
MU200H053AQ_ xxx	530	189-377		90.5%	93.5%	
MU200H070AQ_ xxx	700	143-285		90.5%	93.5%	
MU200H085AQ_ xxx	850	118-235		90.0%	93.0%	
MU200H105AQ_ xxx	1050	95-190		90.0%	93.0%	
MU200H120AQ_ xxx	1200	83-166		90.0%	93.0%	
MU200H140AQ_ xxx	1400	71-142		90.0%	93.0%	
MU200H150AQ_ xxx	1500	67-133		90.0%	92.0%	
MU200H175AQ_ xxx	1750	57-114		89.0%	92.0%	
MU200H210AQ_ xxx	2100	48-95		89.0%	92.0%	
MU200H245AQ_ xxx	2450	41-81		89.0%	92.0%	
MU200H280AQ_ xxx	2800	36-71		89.0%	92.0%	
MU200H300AQ_ xxx	3000	34-67		89.0%	92.0%	
MU200H315AQ_ xxx	3150	32-63		88.5%	91.5%	
MU200H350AQ_ xxx	3500	29-57		88.5%	91.5%	
MU200H420AQ_ xxx	4200	24-48		88.5%	91.5%	
MU200H490AQ_ xxx	4900	20-40		88.0%	91.0%	
MU200H560AQ_ xxx	5600	18-36		88.0%	91.0%	
MU200H600AQ_ xxx	6000	17-33		88.0%	91.0%	

◆ Remarks
xxx = Blank : Constant Current
xxx = 0-10V : 0-10V / PWM dimming
xxx = CLKS : 0-10V, PWM dimming, Constant Current, Clock Dimming
xxx = STB : PWM Dimming



0-10V



Human Centric Lighting S Series Intelligent Driver

MOONS' S Series 50W dual channel driver owns perfect performance: 0.1% deep dimming,65536 dimming steps, dim to off, cable programming, TouchSet programming, 12V-100mA auxiliary output (optional),15V DALI power supply (optional)

- Input voltage: 90-305VAC
- Out Range: 200~1500mA(settable), 8~55VDC
- Settable CCT Range:1500~6500K
- Surge: L-N:2.5KV, L/N-FG:2.5KV
- Mechanical Outline:Side-feed, Back-feed, Compact, Slim, Built-in, Independent
- Dimming Interface:0-10V, DALI-2 DT6, DT8, DMX(RDM) (all dimming interfaces support Tunable White application)
- Approval: UL/CUL Class P, CE, CB, ENEC, PSE, BIS, CCC, EAC
- Optional Dimming Curve: Linear, Logarithm, Gamma, Square
- Waterproof:IP20
- 5-year warranty

DALI Dimming

Designation	Function	Aux	Case Structure	Size(mm)	Certificate
MU050S150BQI511	DT8/DT6 CCT DT6 1/2 address	Yes	Built-in,Brick	130*76*30	
MU050S150BQI510		No	Built-in,Brick	130*76*30	
MU050S150BQI551		Yes	Independent,Brick	152*76*30	
MU050S150BQI550		No	Independent,Brick	152*76*30	
MU050S150BQI501		Yes	Built-in,Slim	408*30*21	
MU050S150BQI500		No	Built-in,Slim	408*30*21	
MU050S150BQI521		Yes	Built-in,Backfeed	150*76*29	
MU050S150BQI520		No	Built-in,Backfeed	150*76*29	
MU050S150BQI531		Yes	Built-in,Side feed	150*76*29	
MU050S150BQI530		No	Built-in,Side feed	150*76*29	

DMX(RDM) Dimming

Designation	Function	Aux	Case Structure	Size(mm)	Certificate
MU050S150BQI610	CCT 1 address 2 channels 2 addresses 2 channels	No	Built-in,Brick	130*76*30	
MU050S150BQI650			Independent,Brick	152*76*30	
MU050S150BQI600			Built-in,Slim	408*30*21	
MU050S150BQI620			Built-in,Backfeed	150*76*29	
MU050S150BQI630			Built-in,Side feed	150*76*29	

0-10V Dimming

Designation	Function	Aux	Case Structure	Size(mm)	Certificate
MU050S150BQI211	CCT Dim to Warm 1 signal 2 channels 2 signal 2 channels	Yes	Built-in,Brick	130*76*30	
MU050S150BQI210		No	Built-in,Brick	130*76*30	
MU050S150BQI251		Yes	Independent,Brick	152*76*30	
MU050S150BQI250		No	Independent,Brick	152*76*30	
MU050S150BQI201		Yes	Built-in,Slim	408*30*21	
MU050S150BQI200		No	Built-in,Slim	408*30*21	
MU050S150BQI221		Yes	Built-in,Backfeed	150*76*29	
MU050S150BQI220		No	Built-in,Backfeed	150*76*29	
MU050S150BQI231		Yes	Built-in,Side feed	150*76*29	
MU050S150BQI230		No	Built-in,Side feed	150*76*29	



Landscape & Architechture Lighting

DC-DC Driver

Features:

- DMX(RDM) constant current LED driver
- 4 LED channel, output current can be changed from 200mA to 700mA
- Constant power maximum is 85W(4V<Vin-Vo<20V), power per channel maximum is 36W
- Normal life time is 80000 hours (ambient temperature 50℃)
- Dimming range 0.1%~100%
- 5-year warranty

Model Specifications

Model	Input Voltage (max)	Output Current (every channel)	Output Voltage (every channel)	Output Power (total)	Efficiency	Size(mm)	Certificate
PR085N070DQ_DMx	60V	200mA	52V	41.60W	93.04%	113*40*22	   
	60V	250mA	52V	52.00W	94.06%		
	60V	300mA	52V	62.40W	95.12%		
	60V	350mA	52V	72.80W	95.48%		
	60V	400mA	52V	83.20W	95.23%		
	60V	450mA	47V	84.60W	94.98%		
	60V	500mA	42V	84.00W	94.73%		
	58V	550mA	38V	83.60W	94.48%		
	55V	600mA	35V	84.00W	94.03%		
	52V	650mA	32V	83.20W	93.68%		
	50V	700mA	30V	84.00W	93.13%		