

 SE-6-100-G1T
 SE-6-300-G1T
 SE-6-500-G1T

 SE-6-150-G1T
 SE-6-350-G1T
 SE-6-550-G1T

 SE-6-200-G1T
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 SE-6-000-G1T

 SE-6-250-G1T
 SE-6-450-G1T
 SE-6-50-G1T

 SE-6-700-G1T
 SE-6-700-G1T
 SE-6-700-G1T



Intelligent LED Driver (Constant Current)

- Small size and light weight. The housing is made from V0 flame retardant PC materials from SAMSUNG/COVESTRO.
- Support Leading edge (Triac), Trailing edge (ELV) .
- With soft-on and fade-in dimming function, enhancing your visual comfort.
- T-PWM™dimming technology allows continuous and flicker-free images under high-speed photography.
- The whole dimming process is flicker-free with high frequency exemption level.
- Dimming from 0~100%, down to 0.1%.
- Innovative thermal management technology intelligently protects the life of the LED driver.
- Overheat, over voltage , overload, short circuit protection and automatic recovery.
- Normal service life can reach 100,000 hours.
- 5-year warranty (Rubycon capacitor).































Technical Specs

Model		SE-6-100-	G1T SE-6-1	.50-G1T	SE-6-200-G1T	SE-6-250-G1T	SE-6-300-G1T	SE-6-350-G1T	SE-6-400-G1T			
	Output Type	Constant co	urrent					•				
Features	Dimming Interface	Triac/ELV										
	Output Feature	Isolation										
	Protection Grade	IP20										
	Insulation Grade	Class [Suitable for class / / light fixtures]										
ОИТРИТ	Output Voltage	9-42Vdc	9-42Vd	С	9-31.5Vdc	9-25Vdc	9-21Vdc	9-18Vdc	9-15.5Vdc			
	Maximum output voltage	≤50Vdc	≤50Vd	lc	≤50Vdc	≤50Vdc	≤50Vdc	≤30Vdc	≤30Vdc			
	Output Current	100mA	150mA	ı	200mA	250mA	300mA	350mA	400mA			
	Output Power	Max.4.2W	Max.6.	3W	Max.6.3W	Max.6.25W	Max.6.3W	Max.6.3W	Max.6.2W			
	Load Power Range	0.9-4.2W	1.35-6.	3W	1.8-6.3W	2.25-6.25W	2.7-6.3W	3.15-6.3W	3.6-6.2W			
	Dimming Range	0~100%, down to 0.01%										
	LF Current Ripple	<3%										
	Current Accuracy	±5%										
	PWM Frequency	3600Hz										
INPUT	DC Voltage Range	200-280Vdc(Dimming is not possible)										
	AC Voltage Range	220-240Vac										
	Input Voltage	230Vac										
	Frequency	50/60Hz										
	Input Current	≤0.08A/230Vac										
	Power Factor	PF<0.5/230Vac[at full load]										
	Efficiency (Typ.)	>70% >72%										
	Inrush Current	Cold start 15A(Test twidth=300us tested under 50% Ipeak)/230Vac										
	Anti Surge	L-N:1KV										
	Leakage Current	<0.5mA/230Vac										
	Working Temperature	ta:-20°C-45°Ctc:90°C										
	Working Humidity	20 ~ 95%RH, non-condensing										
NVIRONMENT	Storage Temperature/Humidity	-40~80°C/10~95%RH										
	Temperature Coefficient	±0.03%/°C[-20°C-45°C]										
	Vibration	10~500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively										
	Overload Protection	Automatically protect the device when the load exceeds 102%-135% of the rated power. Automatically recover once load is reduced										
PROTECTION	Overheat Protection	Intelligently adjust or turn off the current output if the PCB temperature ≥110°C. When the PCB temperature <90°C, automatically recover normal output										
	Short Circuit Protection	Enter hiccup mode if short circuit occurs, and recover automatically										
	Withstand Voltage	I/P-0/P: 3750Vac										
	Insulation Resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH										
	Safety Standards	_	China		GB19510.14							
SAFETY		CE E	uropean Union		, EN61347-2-13, EN62							
&		UKCA B	Britain	BS EN 6134	7-1, BS EN 61347-2-1	3, BS EN 62493						
EMC		BIS Ir	BIS India IS 15885 (PART 2/SEC 13)									
	EMC Emission	ccc c	hina	GB/T17743	, GB17625.1							
		CE European Union EN55015, EN61000-3-2, EN61000-3-3, EN61547										
	EMC Immunity	EN61000-4-2,3,4,5,6,8,11, EN61547										
	Power Consumption	Standby power consumption Network standby power consumption (when the thyristor signal is 0, the power consumption is 0)										
ErP		No-load power consumption No-no load mode										
LIF	FI: 1 /6: 1 : 5"	IEEE1789 Meet IEEE 1789 standard/High frequency exemption level										
	Flicker/Stroboscopic Effect	CIE SVM Pst LM≤1.0, SVM≤0.4										
#/w	Weight(N.W.)	50g±5g										
其他	Dimensions	84x20x20mm(LxWxH)										



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 SE-6-600-G1T

 SE-6-250-G1T
 SE-6-450-G1T
 SE-6-650-G1T

 SE-6-700-G1T
 SE-6-700-G1T



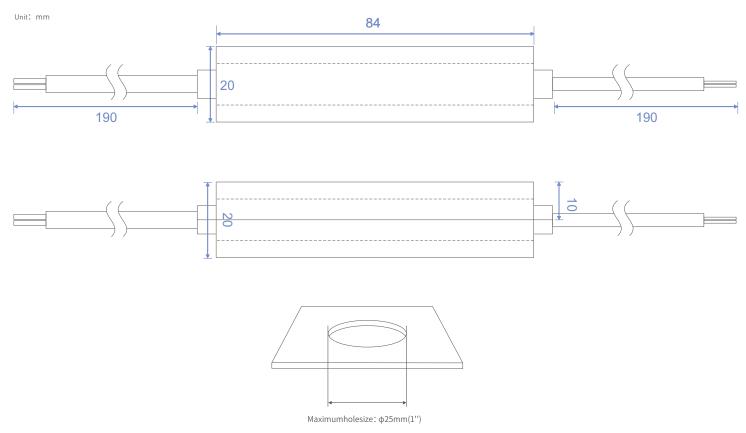
Technical Specs

Model		SE-6-45	50-G1T	SE-6-500-G1T	SE-6-550-G1T	SE-6-600-G1T	SE-6-650-G1T	SE-6-700-G1T			
	Output Type	Constar	nt current				•				
Features	Dimming Interface	Triac/El	LV								
	Output Feature	Isolation									
	Protection Grade	IP20									
	Insulation Grade	Class (Suitable for class / / light fixtures)									
ОИТРИТ	Output Voltage	9-14Vdd		2-12.5Vdc	2-11.5Vdc	2-10.5Vdc	2-9.5Vdc	2-9Vdc			
	Maximum output voltage	≤30Vdc		≤30Vdc	≤30Vdc	≤30Vdc	≤30Vdc	≤30Vdc			
	Output Current	450mA		500mA	550mA	600mA	650mA	700mA			
	Output Power	Max.6.3	W	Max.6.25W	Max.6.3W	Max.6.3W	Max.6.175W	Max.6.3W			
	Load Power Range	4.05-6.3	BW	1-6.25W	1.1-6.3W	1.2-6.3W	1.3-6.175W	1.4-6.3W			
	Dimming Range	0~100%, down to 0.01%									
	LF Current Ripple	<3%									
	Current Accuracy	±5%									
	PWM Frequency	3600Hz									
INPUT	DC Voltage Range	200-280Vdc(Dimming is not possible)									
	AC Voltage Range	220-240Vac									
	Input Voltage	230Vac									
	Frequency	50/60Hz									
	Input Current	≤0.08A/230Vac									
	Power Factor	PF<0.5/230Vac(at full load)									
	Efficiency (Typ.)	>72%									
	Inrush Current	Cold start 15A(Test twidth=300us tested under 50% peak)/230Vac									
	Anti Surge	L-N:1KV									
	Leakage Current	<0.5mA/230Vac									
	Working Temperature	ta:-20°C-45°Ctc:90°C									
	Working Humidity	20 ~ 95%RH, non-condensing									
NVIRONMENT	Storage Temperature/Humidity										
	Temperature Coefficient	±0.03%/°C(-20°C~45°C)									
	Vibration	10~500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively									
	Overload Protection	Automatically protect the device when the load exceeds 102%-135% of the rated power. Automatically recover once load is reduced									
PROTECTION	Overheat Protection	Intelligently adjust or turn off the current output if the PCB temperature >110°C. When the PCB temperature <90°C, automatically recover normal output									
	Short Circuit Protection	Enter hiccup mode if short circuit occurs, and recover automatically									
	Withstand Voltage	I/P-0/P: 3750Vac									
	Insulation Resistance	I/P-0/P: 100MΩ/500VDC/25°C/70%RH									
	Safety Standards	CCC	China	GB19510.1, GB1	9510.14						
SAFETY		CE	European Unior	EN61347-1, EN6	1347-2-13, EN62384						
&		UKCA	Britain	BS EN 61347-1, BS EN 61347-2-13, BS EN 62493							
EMC		BIS	India	IS 15885 (PART 2	2/SEC 13)						
	EMC Emission	ccc	China	GB/T17743, GB1	7625.1						
		CE	European Unior	EN55015, EN610	000-3-2, EN61000-3-3, EN	161547					
	EMC Immunity	EN6100	0-4-2,3,4,5,6,8,1	I, EN61547							
	Power Consumption	Standby power consumption Network standby power consumption (when the thyristor signal is 0, the power consumption is 0)									
		No-load power consumption No-no load mode									
ErP	Flicker/Stroboscopic Effect	IEEE1789 Meet IEEE 1789 standard/High frequency exemption level									
			CIE SVM								
	Weight(N.W.)	50g±5g									
其他	Dimensions		20mm(LxWxH)								
	Difficilatoria	J472UXZ	LOTTITI(LAVVALL)								

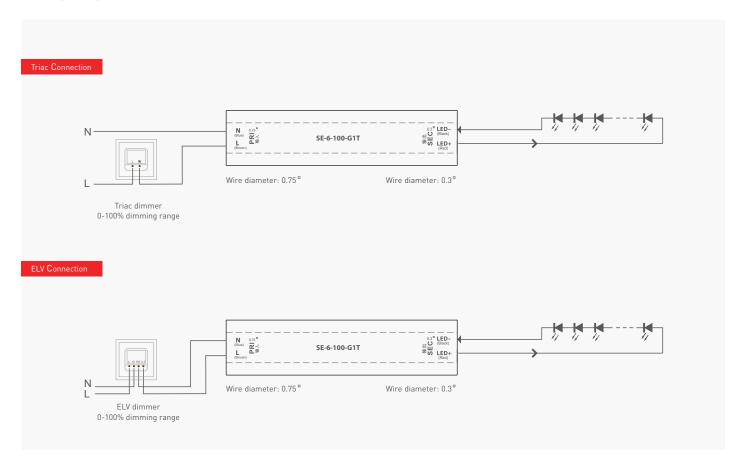


SE-6-100-G1T SE-6-300-G1T SE-6-500-G1T SE-6-150-G1T SE-6-150-G1T SE-6-200-G1T SE-6-200-G1T SE-6-400-G1T SE-6-600-G1T SE-6-650-G1T SE-6-650-G1T SE-6-650-G1T SE-6-650-G1T SE-6-700-G1T SE-6-700-G1T

Product Size



Wiring Diagram





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 SE-6-150-G1T
 SE-6-350-G1T
 SE-6-550-G1T

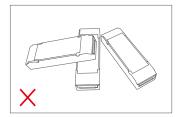
 SE-6-200-G1T
 SE-6-400-G1T
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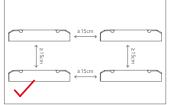
 SE-6-250-G1T
 SE-6-500-G1T
 SE-6-50-G1T

 SE-6-700-G1T
 SE-6-700-G1T
 SE-6-700-G1T

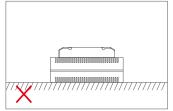


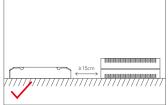
Installation Precautions





Please do not stack the products. The distance between two products should be \geqslant 15cm so as not to affect heat dissipation and the lifespan of the products.

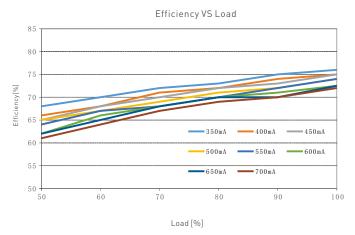




Please not place the products on LED drivers. The distance between the product and the driver should be \geqslant 15cm so as not to affect heat dissipation and shorten the lifespan of the products.

Relationship Diagrams

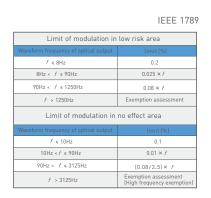




Modulation Area Diagram

High Frequency Exemption Area Diagram

Flicker Test Sheet



Brightness 100.00% 0.1% 1% 5% 10% 20% IEEE 1789 High Risk 30% 10.00% 40% 50% 60% 70% Modulation(%) 80% 90% IEEE 1789 No Effect **♦** 100% 1.00% IEEE 1789 Low Risk 0.10% 10 100 1000 3125 10000

Frequency(Hz)

Marks in the right chart were tested results of different current ranges. The output frequeny is 0Hz in 100% brightness and its corresponding modulation is 0%, which could not be shown in the right chart.



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 SE-6-200-G1T
 SE-6-400-G1T
 SE-6-00-G1T

 SE-6-250-G1T
 SE-6-450-G1T
 SE-6-650-G1T

 SE-6-700-G1T
 SE-6-700-G1T





Packaging Specifications

Model	SE-6-100-G1T/SE-6-150-G1T/SE-6-200-G1T/SE-6-250-G1T/ SE-6-300-G1T/SE-6-350-G1T/SE-6-400-G1T/SE-6-450-G1T/ SE-6-500-G1T/SE-6-550-G1T/SE-6-600-G1T/SE-6-650-G1T/ SE-6-700-G1T					
Carton Dimensions	318×240×215mm(L×W×H)					
Quantity	22 PCS/Layer; 5 Layers/Carton; 110 PCS/Carton					
Weight	0.055kg/PCS; 6.0 kg±5%/Carto					

Packaging Image



Inner Packaging Box



Carton Packaging



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 SE-6-50-G1T

 SE-6-700-G1T
 SE-6-700-G1T
 SE-6-700-G1T



Transportation and Storage

1. Transportation

Products can be shipped via vehicles, boats and planes.

During transportation, products should be protected from rain and sun. Please avoid severe shock and vibration during the loading and unloading process.

2. Storage

The storage conditions should comply with the Class I Environmental Standards. The products that have been stored for more than six months are recommended to be re-inspected and can be used only after they have been qualified.

Attentions

- · This product must be installed and adjusted by a qualified professional.
- This product is non-waterproof (special models excepted). Please avoid the sun and rain. When installed outdoors, please ensure it is mounted in a water proof enclosure.
- · Good heat dissipation will extend the life the product. Please install the product in a environment with good ventilation.
- When you install this product, please avoid being near a large area of metal objects or stacking them to prevent signal interference.
- Please keep the product away from a intense magnetic field, a high pressure area or a place where lightning is easy to occur.
- · Please check whether the working voltage used complies with the parameter requirements of the product.
- Before you power on the product, please make sure all the wiring is correct in case of incorrect connection that may cause a short circuit and damage the components, or trigger a accident.
- If a fault occurs, please do not attempt to fix the product by yourself. If you have any question, please contact the supplier.
- * This manual is subject to changes without further notice. Product functions depend on the goods. Please feel free to contact our official distributors if you have any question.

Warranty Agreement

- Warranty periods from the date of delivery: 5 years.
- Free repair or replacement services for quality problems are provided within warranty periods.

Warranty exclusions below:

- Beyond warranty periods.
- Any artificial damage caused by high voltage, overload, or improper operations.
- Products with severe physical damage.
- Damage caused by natural disasters and force majeure.
- Warranty labels and barcodes have been damaged.
- No any contract signed by LTECH.
- $1. \ Repair or replacement provided is the only remedy for customers. \ LTECH is not liable for any incidental or consequential damage unless it is within the law.$
- $2.\ \mathsf{LTECH}\ \mathsf{has}\ \mathsf{the}\ \mathsf{right}\ \mathsf{to}\ \mathsf{amend}\ \mathsf{or}\ \mathsf{adjust}\ \mathsf{the}\ \mathsf{terms}\ \mathsf{of}\ \mathsf{this}\ \mathsf{warranty},\ \mathsf{and}\ \mathsf{release}\ \mathsf{in}\ \mathsf{written}\ \mathsf{form}\ \mathsf{shall}\ \mathsf{prevail}.$



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 SE-6-700-G1T



Update Log

Version	Updated Time	Update Content	Updated by
Α0	20230628	Original version	Yang Weiling