

Intelligent LED Driver (Constant Current)

- Small size and light weight. The clamshell design and screwless type for strain-relief.
- 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 0.01%.
- Innovative thermal management technology intelligently protects the life of the LED driver.
- \bullet Overheat, overload, short circuit protection and automatic recovery.
- Normal service life can reach 100,000 hours.
- 5-year warranty (Rubycon capacitor).





Triac

 ELV







₹ CB ₽ © ErP ♥ ♠ 🗎





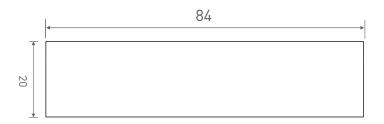
Technical Specs

Model		SE-6-45	0-G1T		SE-6-700-G1T		
	Output Type		t Current		12.0.000		
Features	Dimming Interface	Triac/ELV					
	Output Feature	Isolation					
	Protection Grade	IP20					
	Insulation Grade	Class II (Suitable for class I/ II /III light fixtures)					
	Maximum output voltage(No-load)	\$50Vdc \$30Vdc					
ОИТРИТ	Output Voltage	9-14Vdc			2-9Vdc		
	Output Current Range	450mA		700mA			
	Output Power	Max.6.3\	N		7001114		
	Output Power Range	4.05-6.3			1.4-6.3W		
	Dimming Range		down to 0.01%		1.4 0.011		
	LF Current Ripple	<3%					
	Current Accuracy	±5%					
	PWM Frequency	3600Hz					
	DC Voltage Range	200-280Vdc (Output power dimming unavailable)					
INPUT	Input Voltage	220-240Vac					
	Rated Voltage	22U-24UVac 230Vac					
	Frequency						
	Input current	50/60Hz					
	Power Factor	<0.08A/230Vac PF>0.5/230Vac (at full load)					
	Efficiency (Typ.)	>72%	230740 (41.1411.1044)		>72%		
	Inrush Current						
	Anti Surge	Cold start 15A(Test twidth=300us tested under 50% Ipeak)/230Vac					
	Leakage Current	L-N: 1KV <0.5mA/230Vac					
	Working Temperature		45°C tc: 90°C				
	Working Humidity						
ENVIRONMENT	Storage Temperature/Humidity	20 ~ 95%RH, non-condensing					
EINVIKOINIVIENI	Temperature Coefficient	-40 ~ 80°C/10~95%RH					
	Vibration	±0.03%/°C (-20-45°C)					
	Overload Protection	10-500Hz, 2G 12min/1cycle, 72 min for X, Y and Z axes respectively					
PROTECTION	Overheat Protection	Shut down the output and recover automatically once it exceeds 1.02-1.35 times of the rated power					
	Short Circuit 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					
		When short circuit occurs, shut down the output and recover automatically					
	Withstand Voltage	/P-0/P: 3750Vac /P-0/P: 100MΩ/500VDC/25°C/70%RH					
	Insulation Resistance	CCC	China		D 10510 14		
	Safety Standards	CE		GB 19510.1, G			
			European Union		EN 61347-2-13, EN 62493		
		KC	Korea	KC 61347-1, KC 61347-2-13			
		TUV	Germany		N 61347-2-13, EN 62493		
SAFETY		ENEC	Europe	EN 61347-1, EN 61347-2-13, EN 62384			
&		СВ	CB Member States	IEC 61347-1, IEC 61347-2-13			
EMC		RCM	Australia	AS/NZS 61347	7.1, AS 61347.2.13		
		BIS	India	IS 15885(PART	Γ 2/SEC 13)		
		EAC	Russia	IEC 61347-1,	IEC 61347-2-13		
	EMC Emission	CCC	China	GB/T 17743,	GB 17625.1		
		CE	European Union	EN IEC 55015,	EN IEC 61000-3-2, EN 61000-3-3		
		KC	Korea	KS C 9815, KS	C 9547		
		RCM	Australia	EN IEC 55015,	EN IEC 61000-3-2, EN 61000-3-3		
		EAC	Russia	IEC 62493, IE	C 61547, EH 55015, IEC 61000-3-2, IEC 61000-3-3		
	EMC Immunity	EN 61000-4-2,3,4,5,6,8,11, EN 6					
		Standby power consumption		No standby mode			
	Power Consumption	Networked standby		No networked standby mode (No Phase-cut signal, no power consumption)			
		No-load power consumption		Without no-load mode			
ErP	Flicker/Stroboscopic Effect	IEEE 1789		Meet IEEE 1789 standard/High frequency exemption level			
	Waight(NIW)	CIE SVM		Pst LM≤1.0, SVM≤0.4			
OTHERS	Weight(N.W.)	50g±5g					
	Dimensions	84x20x10mm(LxWxH)					

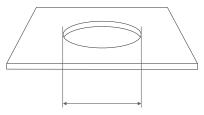


Product Size

Unit: mm

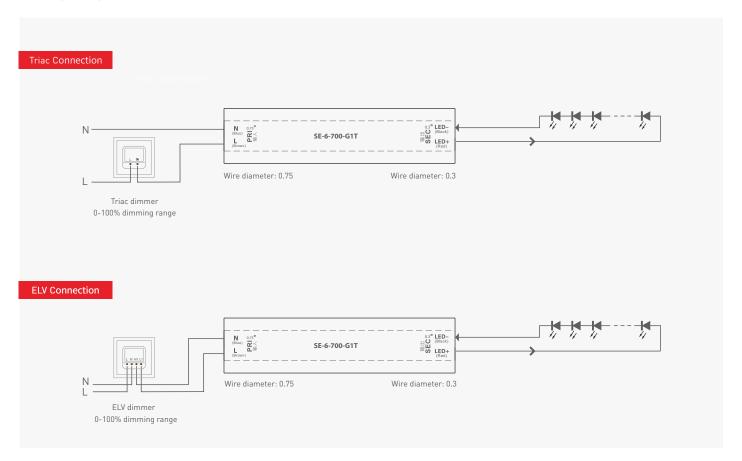






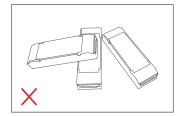
Minimum hole size: $\phi25mm$ (1")

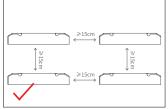
Wiring Diagram

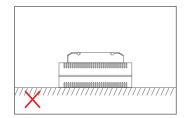


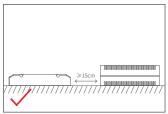


Installation Precautions





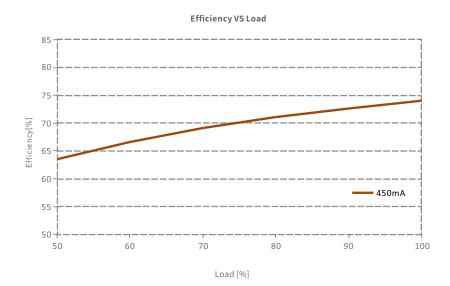




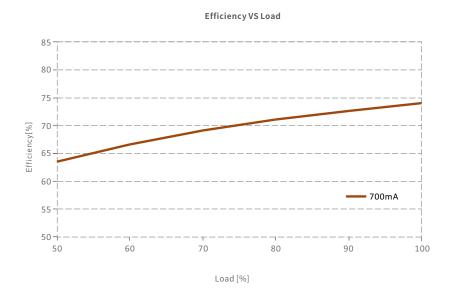
Please do not stack the products. The distance between two products should be \geqslant 15cm so as not to affect heat dissipation and the lifespan of the products.

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

Relationship Diagrams



SE-6-450-G1T



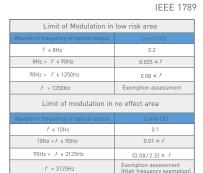
SE-6-700-G1T

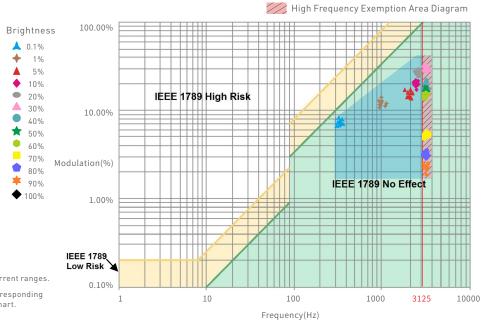
Modulation Area Diagram



LTECH

Flicker Test Form





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.

Packaging Specifications

Model	SE-6-450-G1T / SE-6-700-G1T		
Carton Dimensions	385×245×160mm(L×W×H)		
Quantity	20 PCS/Layer; 5 Layers/Carton; 100 PCS/Carton		
Weight	0.055kg/PC; 5.5kg±5%/Carton		

Packaging Image



Inner Packaging Box



Carton Packaging



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. LTECH has the right to amend or adjust the terms of this warranty, and release in written form shall prevail.





Update Log

Version	Updated Time	Update Content	Updated by
Α0	2022.11.30	Original version	Yang Weiling
A1	2023.03.21	Update product screen printing position	Yang Weiling