

- Feature:
- AC power input 100V to 277Vac
 - Built-in active PFC function
 - Efficiency (typ.)90.5%
 - Protections: Shot circuit/Overload/Over voltage/Over temperature
 - 40~+60°C working temperature
 - Cooling without fan
 - OCP with trimmer resistor
 - IP level: IP65/IP67
 - Support constant current LED and constant voltage LED
 - Constant Voltage + Constant Current mode output
 - IP67/IP65 rating for indoor or outdoor installations
 - 5 years Warranty

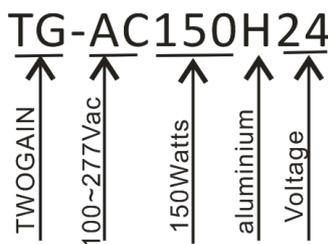
Applications

- LED street lighting
- LED High-bay lighting
- Parking space lighting
- LED fishing lamp
- LED greenhouse lighting
- LED strip lighting
- LED linear lighting

MODEL serial					
NO.	Type	MODEL	Features	Support	Note
1	C.V+C.C	TG-AC150H24A	Constant Voltage + Constant Current mode output	Single color LED lamp	
2		TG-AC150H48A		Single color LED lamp	

Model Encoding

1. TG=TWOGAIN
2. AC=AC100V~277V
3. 150W=MAX power 150W
4. H=aluminum
5. 24/48=Voltage
6. A=aluminium



MODEL		TG-AC150H24A			
O U T P U T	DC VOLTAGE	24V			
	ADJUST VOLTAGE RANGE	24V		18~24V	
	RATED CURRENT	6.25A			
	RATED POWER	150W			
	RIPPLE&NOISE(max.)	150mVp-p			
	VOLTAGE TOLERANCE	±1.5%			
	ADJUST VOLTAGE RANGE	CUSTOMER PRODUCTS	24V	24V	24V
		18V~28V(6.25A/18V, 5.3A/28V)			
	ADJUST CURRENT RANGE	CUSTOMER PRODUCTS			
		3.2A~6.25A			
	LOAD ADJUST RANGE	±1%			
SETUP,RISE TIME	1500ms,60ms/100VAC, 700ms,50ms/230Vac				
HOLD UP TIME(Typ.)	15ms, 230VAC/100VAC				
INPUT	VOTLAGE RANGE	90~305VAC or 127~431VDC			
	FREQUENCY RANGE	47~63Hz			
	PFC	PF>0.98/115VAC,PF>0.95/230VAC,PF>0.93/277VAC(FULL LOAD)			
	EFFICIENCY(Typ.)	90.5%			
	AC CURRENT(Typ.)	1.5A/115VAC	0.7A230VAC	0.6A/277VAC	
	INRUSH CURRENT (Typ.)	61A/230VAC			
	LEAKAGE CURRENT	<0.76mA/277VAC			
PROTECTION	OVER LOAD	95%~110% Protection type :Hiccup mode Recovers automatically after fault condition is removed			
	SHORT PROTECTION	Hiccup mode Recovers automatically after fault condition is removed			
	OVER VOLTAGE	Hiccup mode Recovers automatically after fault condition is removed			
	OVER TEMPERATURE	Shut down O/P voltage, recovers automatically after temperature goes down			
ENVIRONMENT	WORKING TEMP.	-40~60℃			
	WORKING HUMIDITY	20~95% RH non-condensing			
	STORAGETEMP., HUMIDITY	-40~80℃,10~95%RH			
	TEMP. CONEFFICIENT	±0.03%/℃			
	VIBRATION	10~500Hz,5G 12min. /1Cycle, each along X,Y,Z 72 axes			
SAFETY & EMC	SAFETY STANDARDS	TUV EN61347-1 EN61347-2-13 independent IP65 OR IP67 CE			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC IP-FG:2KVAC O/P-FG:1.5KVAC			
	ISOLANTION RESISTANCE	I/P-O/P, IP-FG: 100M Ohms/500VDC/25℃ /70%R			
	EMC EMISSION	Refer to EN55015,EN55022(CISPR22) CLASB,EN61000-3-2 CLASS C(≧ 50 LOAD);EN61000-3-3			
	EMC IMMUNITY	Refer to EN61000-4-2,3,4,5,6,8,11,EN61547,EN55024 class A			
	DIMENSION	233.7*68*44mm(L*W*H)			
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ /70%RH				

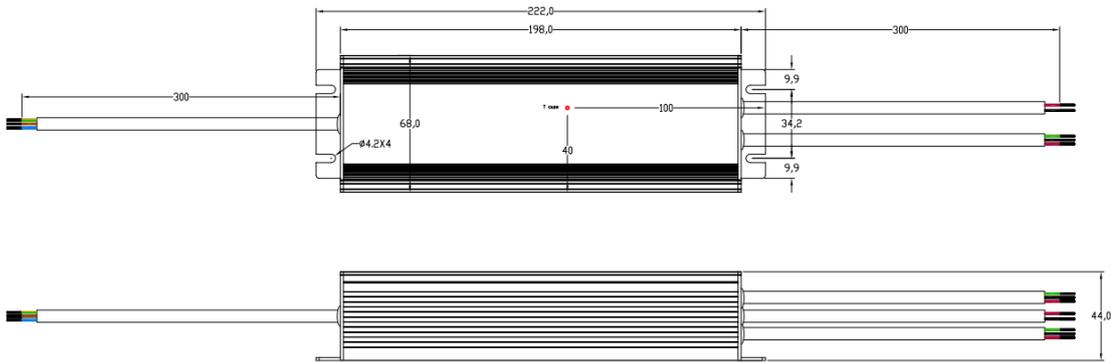


TG-AC150H

150W- iot LED power serial

MODEL		TG-AC150H48A			
O U T P U T	DC VOLTAGE	48V			
	ADJUST VOLTAGE RANGE	48V	42~54V		
	RATED CURRENT	3.125A			
	RATED POWER	150W			
	RIPPLE&NOISE(max.)	150mVp-p			
	VOLTAGE TOLERANCE	±1.5%			
	ADJUST VOLTAGE RANGE	CUSTOMER PRODUCTS	24V	24V	24V
		42V~54V(3.25A/42~54V, 2.6A/54V)			
	ADJUST CURRENT RANGE	Accept Customized			
		1.7A~3.25A			
	LOAD ADJUST RANGE	±1%			
SETUP,RISE TIME	1500ms,60ms/100VAC, 700ms,50ms/230Vac				
HOLD UP TIME(Typ.)	15ms, 230VAC/100VAC				
INPUT	VOTLAGE RANGE	90~305VAC or 127~431VDC			
	FREQUENCY RANGE	47~63Hz			
	PFC	PF>0.98/115VAC,PF>0.95/230VAC,PF>0.93/277VAC(FULL LOAD)			
	EFFICIENCY(Typ.)	90.5%			
	AC CURRENT(Typ.)	1.5A/115VAC	0.7A230VAC	0.6A/277VAC	
	INRUSH CURRENT (Typ.)	61A/230VAC			
	LEAKAGE CURRENT	<0.76mA/277VAC			
PROTECTION	OVER LOAD	95%~110% Protection type :Hiccup mode Recovers automatically after fault condition is removed			
	SHORT PROTECTION	Hiccup mode Recovers automatically after fault condition is removed			
	OVER VOLTAGE	Hiccup mode Recovers automatically after fault condition is removed			
	OVER TEMPERATURE	Shut down O/P voltage, recovers automatically after temperature goes down			
ENVIRONMENT	WORKING TEMP.	-40~60℃			
	WORKING HUMIDITY	20~95% RH non-condensing			
	STORAGETEMP, HUMIDITY	-40~80℃,10~95%RH			
	TEMP. CONEFFICIENT	±0.03%/℃			
	VIBRATION	10~500Hz,5G 12min. /1Cycle, each along X,Y,Z 72 axes			
SAFETY & EMC	SAFETY STANDARDS	TUV EN61347-1 EN61347-2-13 independent IP65 OR IP67 CE			
	WITHSTAND VOLTAGE	I/P-O/P:3.75KVAC IP-FG:2KVAC O/P-FG:1.5KVAC			
	ISOLANTION RESISTANCE	I/P-O/P, IP-FG: 100M Ohms/500VDC/25℃/70%R			
	EMC EMISSION	Refer to EN55015,EN55022(CISPR22) CLASB,EN61000-3-2 CLASS C(≥ 50 LOAD);EN61000-3-3			
	EMC IMMUNITY	Refer to EN61000-4-2,3,4,5,6,8,11,EN61547,EN55024 class A			
	DIMENSION	233.7*68*44mm(L*W*H)			
NOTE	2. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃/70%RH				

DIMENSION



150W demision

Connect method

