#### Features:

- Universal AC input/Full rang  $90 \sim 305$ VAC
- Built-in active PFC function
- Protections: Short circuit/Over current /Overvoltage/Over temperature
- Cooling by free air convection
- Built-in 3 in 1 dimming function ( $0 \sim 10$ Vdc or 10V PWM signal or resistance)
- Metal case, IP65 design for indoor or outdoor installations
- Suitable for outdoor LED street lighting, outdoor LED and moving sign applications
- 5 years warranty

#### 

185H-42 V: IP65 Level, Io adjustable through built-in potentiometer

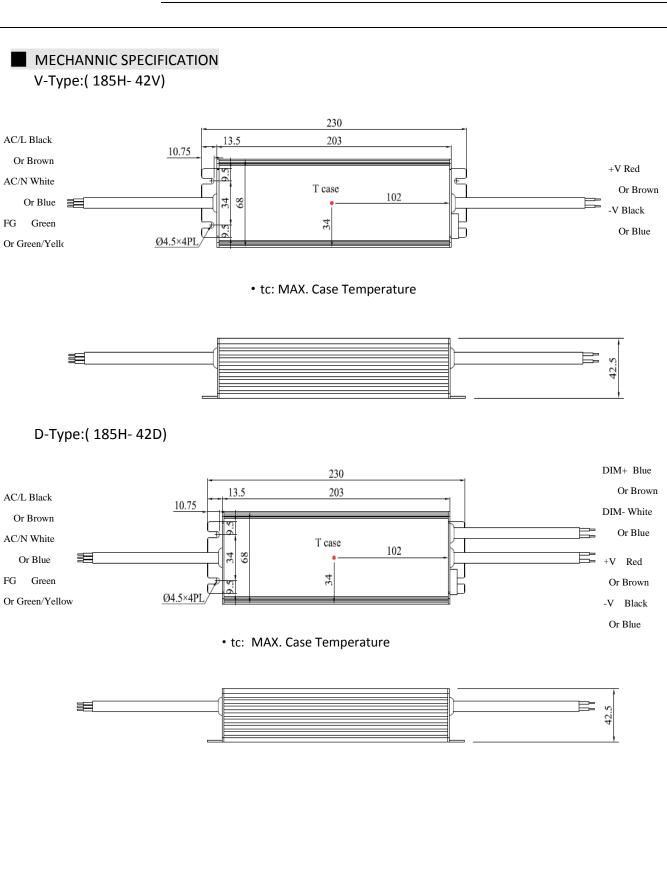
D: IP65 Level, 3 in 1dimming function (1 $\sim$ 10VDC,10V PWM signal and resistance)

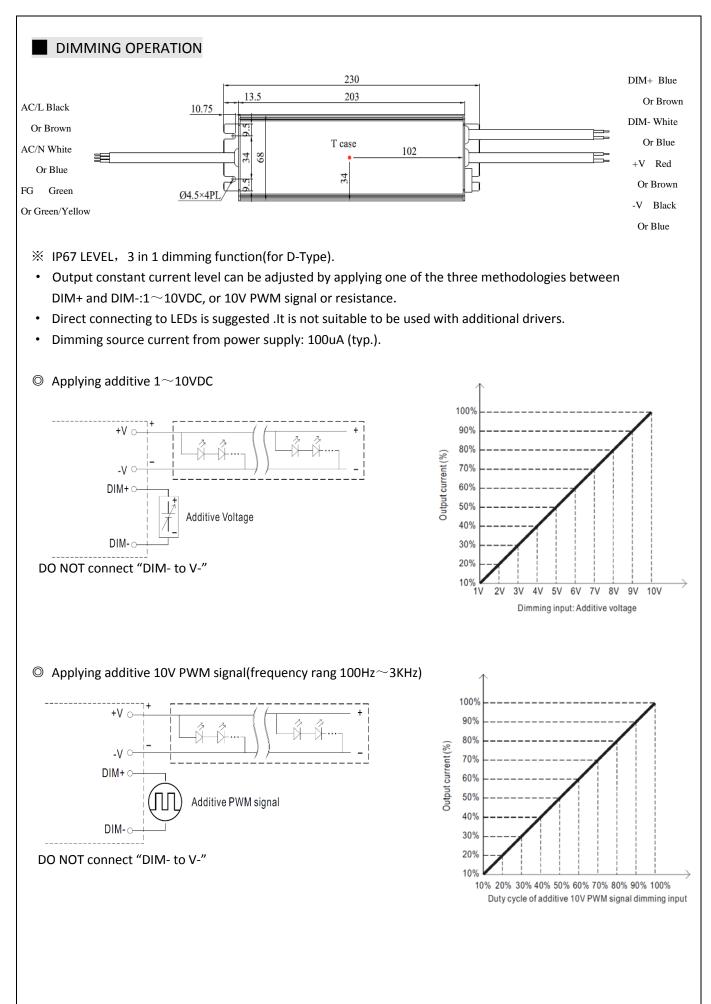
### SPECIFCATION

Parameter Name	Min.	Тур.	Max.	Unit	
Input Voltage	100	110;230	277	Vac	
Input Current		0.9	3.5	А	
Power Factor	0.95	0.98	0.99	PF	
Frequency Rang	47	50\60	63	Hz	
Output no-load Voltage	43	46	48	Vdc	
Output Serving Voltage	36	42	43	Vdc	
Output Current	-3%	4.4	+3%	Adc	
Overshoot			10	%	
Ripple & Noise			300	mV	
No Load Power		0.5	2	W	
Efficiency	91	93		% (230VAC)	
Over Current Protection			110	%	
Over Temperature Protection	Shut down O/P voltage, recovers automatically after temperature goes down				
Short Circuit Protection	Constant Current limiting, recovers automatically after fault condition is removed				
	(output current<2A)				

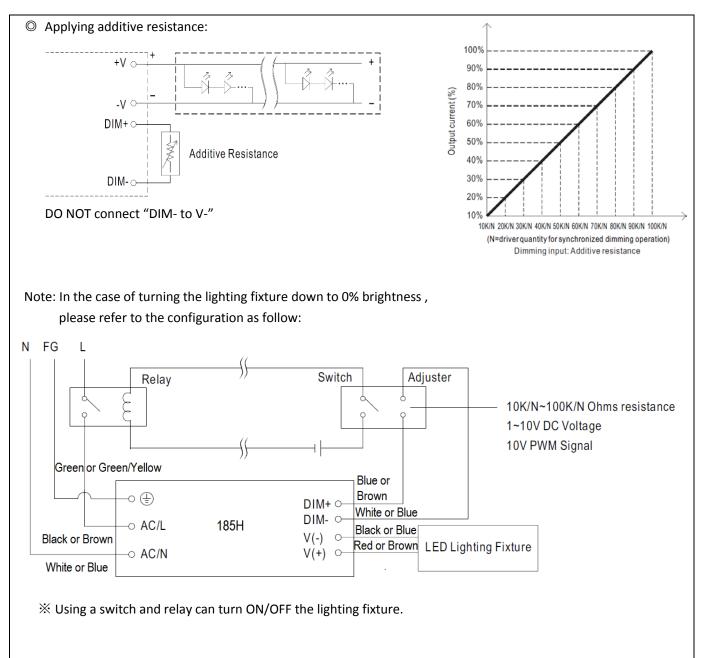
#### WORKING ENVIRONMENT

Item	Min.	Тур.	Max.	Unit	
Working Temp.	-40 $\sim$ +70 $^{\circ}$ C (Please refer to "OUTPUT LOAD vs TEMPERATURE" section)				
IP Rating	IP65				
MAX. Working Humidity	$20{\sim}95\%$ RH non-condensing				
Cooling Method	Cooling by free air convection, External LED Driver can improve the lifespan.				
Storage Temp. , Humidity	-40~+80℃,10~95%RH				
Working Atmosphere	70		106	Кра	
SAFETY					
Item	Min.	Тур.	Max.	Unit	
I/P-O/P	3750			V(AC)	
I/P-FG	2000			V(AC)	
O/P-FG	500			V(DC)	
Surge: L-N	2000			V	
Surge :L,N-FG	4000			V	



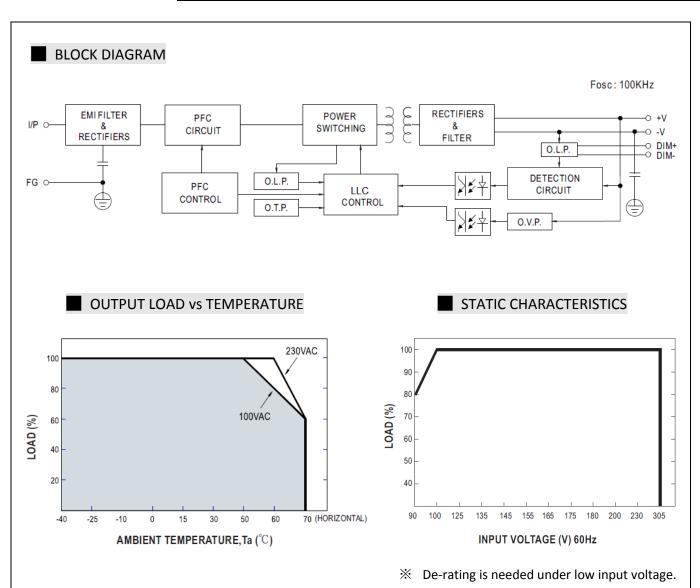


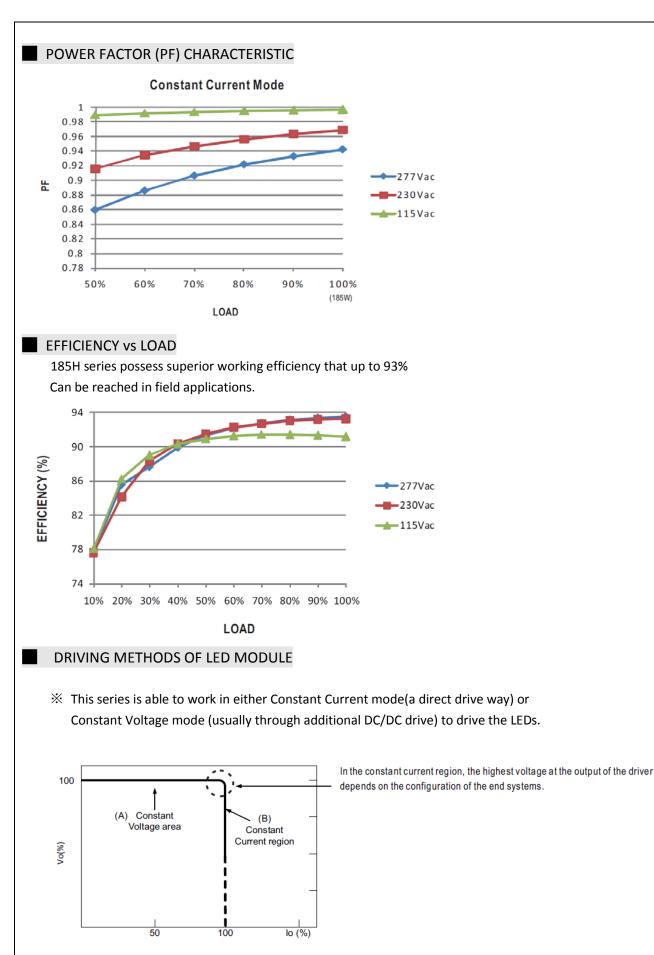
## **TOMCARLINE** 185W Single Output LED Driver



# **TOMCARLINE** 185W Single Output LED Driver

### 185H Series





Typical output current normalized by rated current (%)

185H Series