



		160W	<60A	56A	250us	50%Ipk	
		240W	<80A	76A	320us		
		400W	<100A	88A	430us		
	Connected quantity of 16A Breaker	30W	16pcs, 16A type B / 26pcs 16A type C				
		60W	16pcs, 16A type B / 26pcs 16A type C				
		100W	10pcs, 16A type B / 16pcs 16A type C				
		160W	8pcs, 16A type B / 13pcs 16A type C				
240W		6pcs, 16A type B / 8pcs 16A type C					
400W		4pcs, 16A type B / 5pcs 16A type C					
Output	Output Voltage	24VDC±3%					
	Rated Load Range	30W	12-30W				
		60W	24-60W				
		100W	30-100W				
		160W	48-160W				
		240W	72-240W				
		400W	120-400W				
	Output Voltage Ripple	<240mV <sub>PK-PK</sub> (0.5%)					
	Line Regulation	±1%					
	Load Regulation	±2%					
	Overshoot	<105%V <sub>o</sub> (<110%V <sub>o</sub> , only for 30W)					
	Start-up Time	<0.5S (220-240VAC)					
	Efficiency	30W	≥84%	86% typ.	230VAC, Rated Load, at output terminals, see graphs		
60W		≥86%	88% typ.				
100W		≥90%	92% typ.				
160W		≥90%	92% typ.				
240W		≥90%	92% typ.				
400W		≥91%	93% typ.				
Protection	Short Circuit Protection	Auto Recovery					
	Over Current Protection	120%-200%I <sub>o</sub> , Auto Recovery					
	Over Voltage Protection	120%-150%V <sub>o</sub> , Auto Recovery					
	Over Temperature Protection	90<T <sub>c</sub> <110°C, Auto Recovery					
	Insulation voltage	I/P to O/P, 3KV <sub>ac</sub> /5mA/1min					
	Insulation resistance	>100M ohm @ 500VDC					
	Leakage current	I/P to O/P < 250μA					
Environment	T <sub>a</sub> /Operation Temperature	-25....+50 °C					
	T <sub>s</sub> /Storage Temperature	-40....+85 °C					
	T <sub>c</sub> /Enclosure Temperature For Safety	30W/60W/100W	75 °C				
		160W	85 °C				
		240W/400W	90 °C				
	Humidity	5%....85%RH					
Atmosphere	86-108KPa						
Standards	Certification	CE					

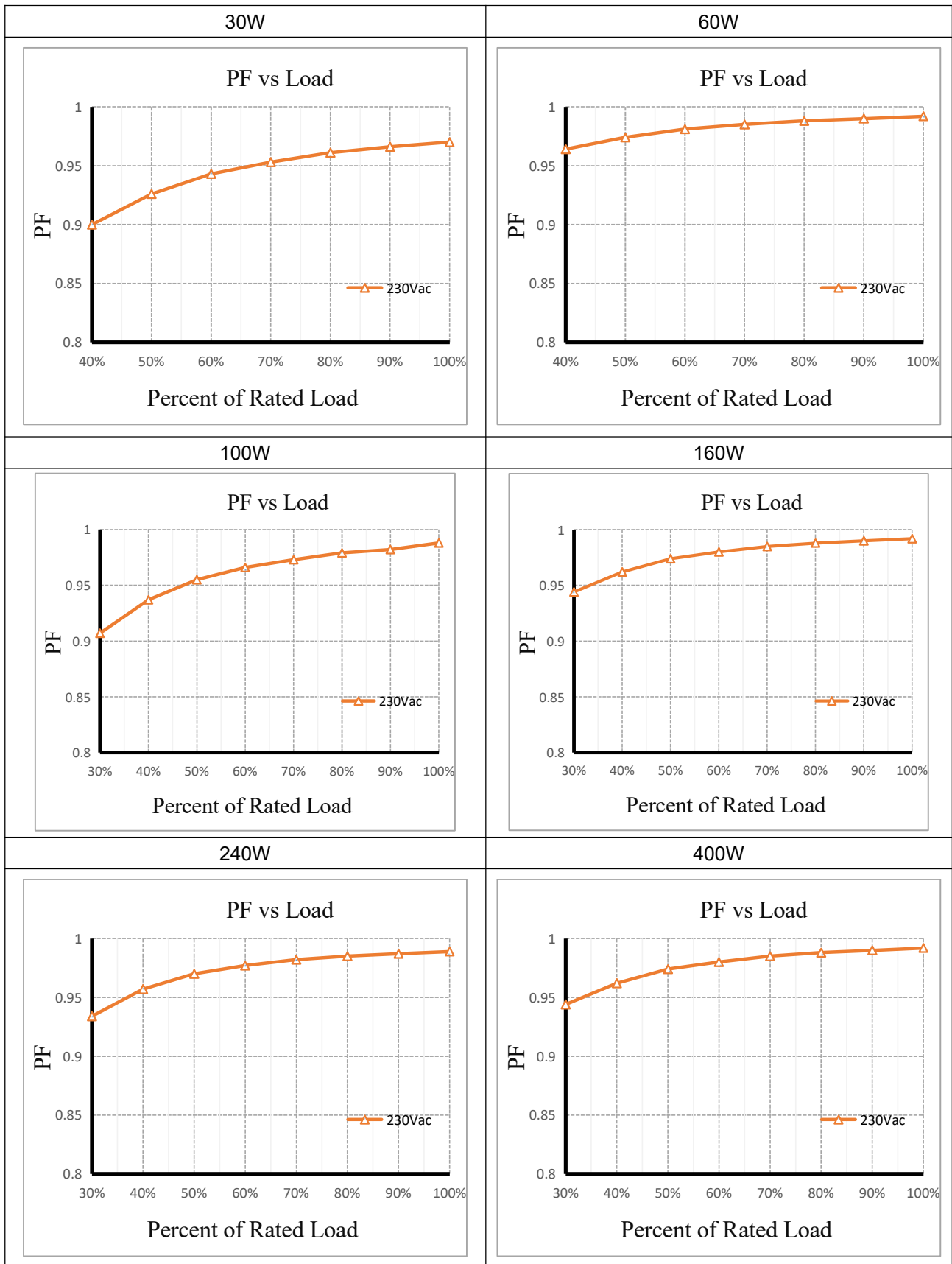
	Safety Standards	EN61347-1:2015, EN61347-2-13:2014/A1:2017, EN62493:2015, AS61347.2.13:2018, AS/NZS 61347.1:2016 Inc A1		
	EMC Standards	EN55015:2013/A1:2015, EN61000-3-2:2014, EN61000-3-3:2013, EN61547:2009		
	Performance	EN62384		
	Surge	L-N:4KV, L/N-PE:6KV		
Others	RoHS	2011/65/EU		
	MTBF	≥250KHours, Ta=25°C (MIL-HDBK-217F)		
	Audible Noise	<25dB @ 10cm distance, 20dB background		
	Life Time	30W/60W/100W/160W	≥100K Hrs 65 °C case temperature, refer to life vs. Tc curve	
		240W/400W	≥100K Hrs 75 °C case temperature, refer to life vs. Tc curve	
	Warranty	5years		
	Dimensions (L*W*H)	30W	235*30*21MM (body), 250*30*21MM (endcaps included)	
		60W	275*30*21MM (body), 290*30*21MM (endcaps included)	
		100W	305*30*21MM (body), 320*30*21MM (endcaps included)	
		160W	335*30*21MM (body), 350*30*21MM (endcaps included)	
		240W	385*30*21MM (body), 400*30*21MM (endcaps included)	
400W		385*60*22MM (body), 400*60*22MM (endcaps included)		
Wiring	Input	H05RN-F/3X1.0mm <sup>2</sup> , Brown/Blue/(Yellow/Green)		
	Output	H05RN-F/2X1.0mm <sup>2</sup> , Red/Black		
Output Cable Length	Max. 3M			

**Remark:**

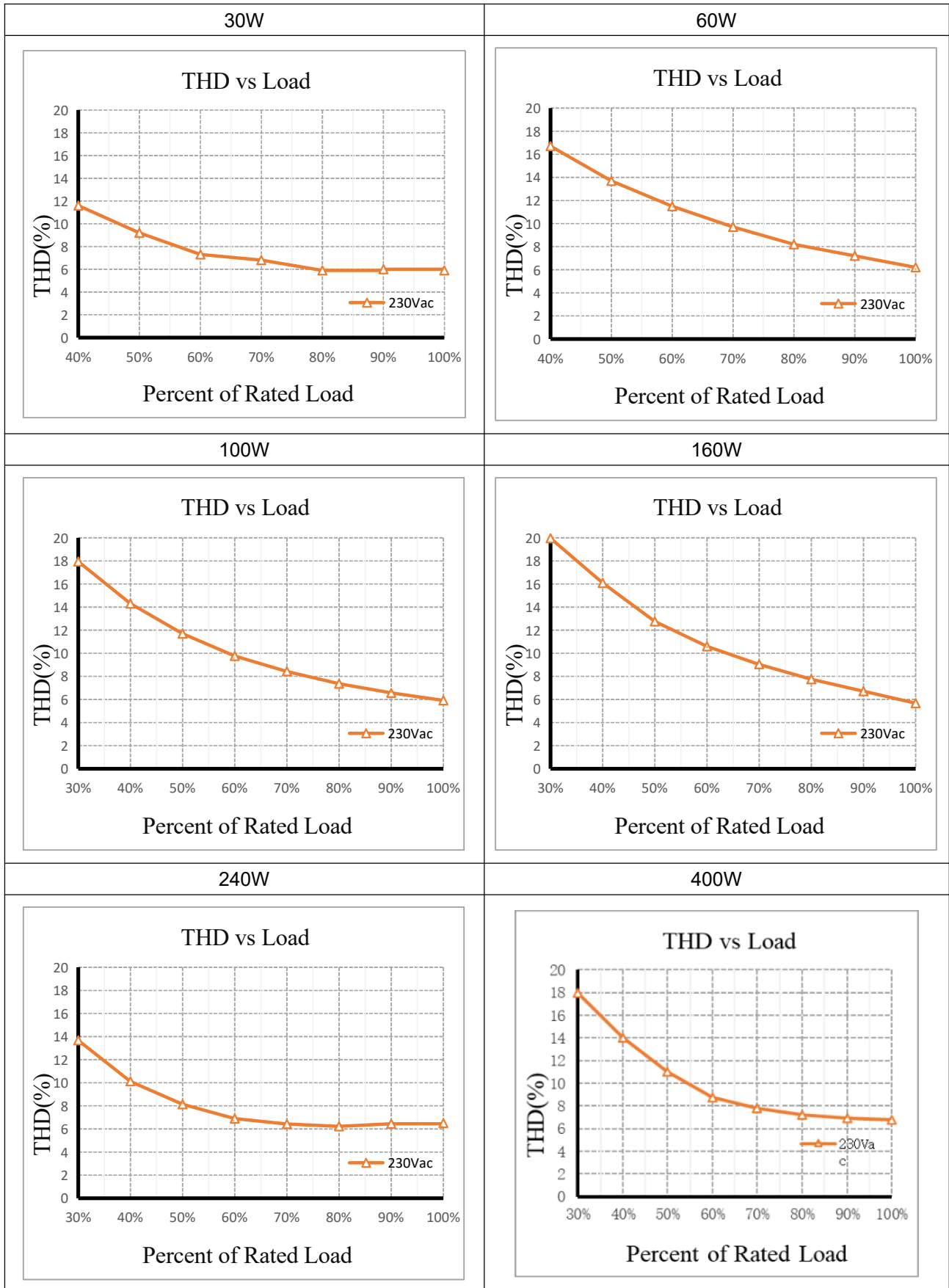
1. All Parameters, if not specified, are measured at 230VAC/50Hz and 25°C ambient temperature.
2. LED Driver is a component of the luminaires, Luminaires and wire layout will affect the EMC, please check the EMC with end products again.
3. Output ripple should be measured at the output end which has with 0.1uF/50V ceramic capacitance and 47uF/50V Aluminum capacitance connected in parallel. Measured using oscilloscope with bandwidth limited to 20MHz.

### 2.Graph

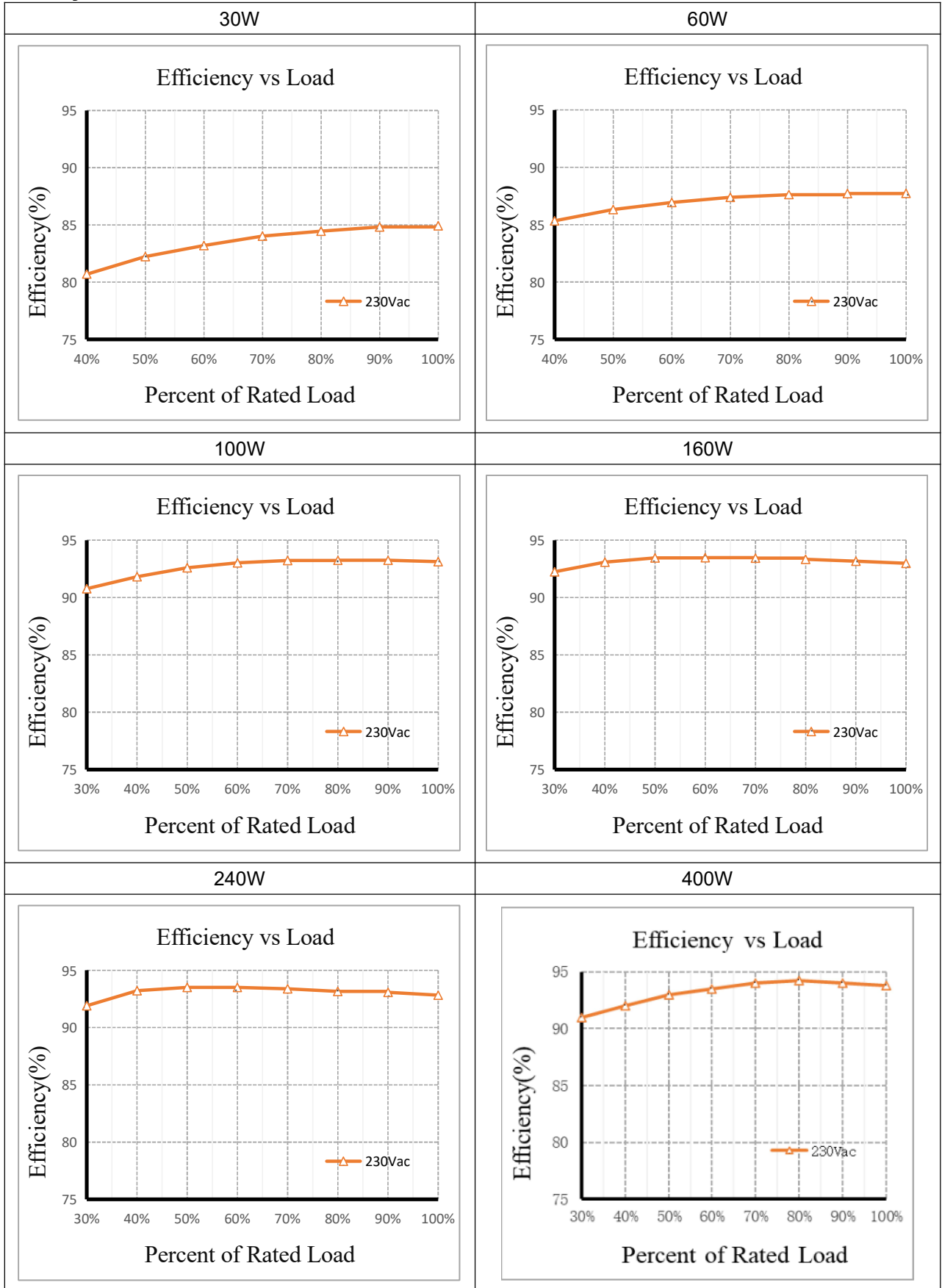
#### PF VS LOAD Curve



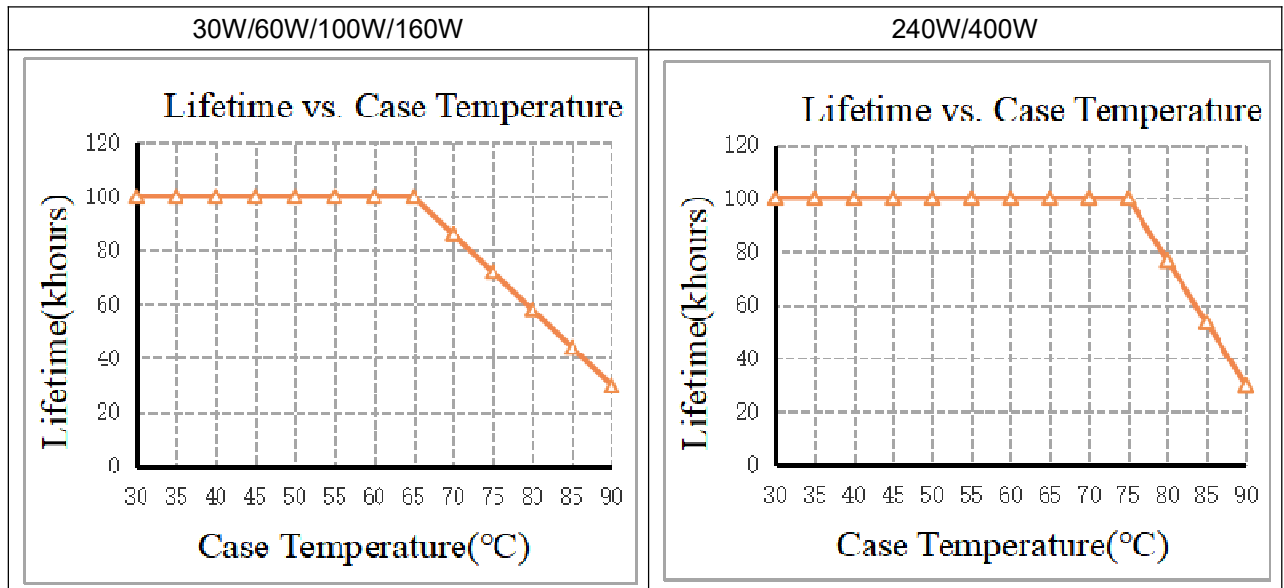
### THD VS LOAD Curve



### Efficiency VS LOAD Curve



### Lifetime vs. Case Temperature



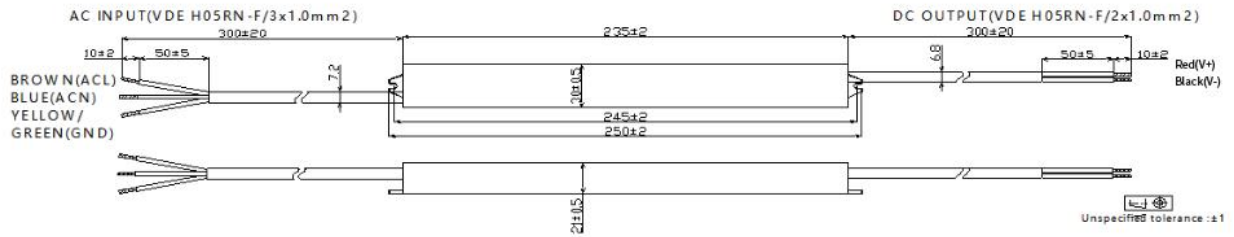
(End of Life: Maximum Failure Rate=10%)

### 3.Label

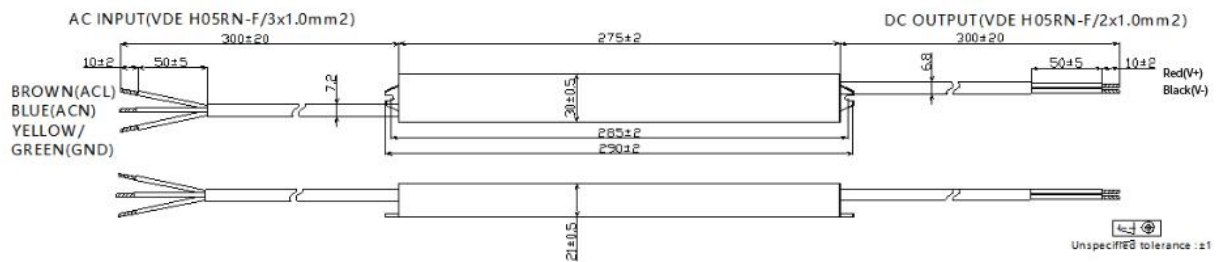
<input type="radio"/> L (Brown) <input type="radio"/> N (Blue) <input type="radio"/> (Yellow-green)	<b>KGP</b> KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid	XSV30W24 LED Driver Constant Voltage Type For LED modules only	Input: 220-240V~, 50/60Hz, 0.2A, λ:0.95 Output: 24V- 0-1.25A Max.30W *tc Ta: -25 ~ +50°C Tc:75°C	(Black)   ○ output (Red)   + output
<input type="radio"/> L (Brown) <input type="radio"/> N (Blue) <input type="radio"/> (Yellow-green)	<b>KGP</b> KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid	XSV60W24 LED Driver Constant Voltage Type For LED modules only	Input: 220-240V~, 50/60Hz, 0.4A, λ:0.95 Output: 24V- 0-2.5A Max.60W *tc Ta: -25 ~ +50°C Tc:75°C	(Black)   ○ output (Red)   + output
<input type="radio"/> L (Brown) <input type="radio"/> N (Blue) <input type="radio"/> (Yellow-green)	<b>KGP</b> KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid	XSV100W24 LED Driver Constant Voltage Type For LED modules only	Input: 220-240V~, 50/60Hz, 0.6A, λ:0.95 Output: 24V- 0-4.17A Max.100W *tc Ta: -25 ~ +50°C Tc:75°C	(Black)   ○ output (Red)   + output
<input type="radio"/> L (Brown) <input type="radio"/> N (Blue) <input type="radio"/> (Yellow-green)	<b>KGP</b> KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid	XSV180W24 LED Driver Constant Voltage Type For LED modules only	Input: 220-240V~, 50/60Hz, 0.8A, λ:0.95 Output: 24V- 0-6.67A Max.160W *tc Ta: -25 ~ +50°C Tc:85°C	(Black)   ○ output (Red)   + output
<input type="radio"/> L (Brown) <input type="radio"/> N (Blue) <input type="radio"/> (Yellow-green)	<b>KGP</b> KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid	XSV240W24 LED Driver Constant Voltage Type For LED modules only	Input: 220-240V~, 50/60Hz, 1.5A, λ:0.95 Output: 24V- 0-10A Max.240W *tc Ta: -25 ~ +50°C Tc:90°C	(Black)   ○ output (Red)   + output
<input type="radio"/> L (Brown) <input type="radio"/> N (Blue) <input type="radio"/> (Yellow-green)	<b>KGP</b> KGP Electronics GmbH Hueckstraße 19 DE-58511 Lüdenscheid	XSV400W24 LED Driver Constant Voltage Type For LED modules only	Input: 220-240V~, 50/60Hz, 2.3A, λ:0.95 Output: 24V- 0-16.67A Max.400W *tc Ta: -25 ~ +50°C Tc:90°C	(Black)   ○ output (Red)   + output (Black)   ○ output (Red)   + output

### 4.Dimension (Unit: mm)

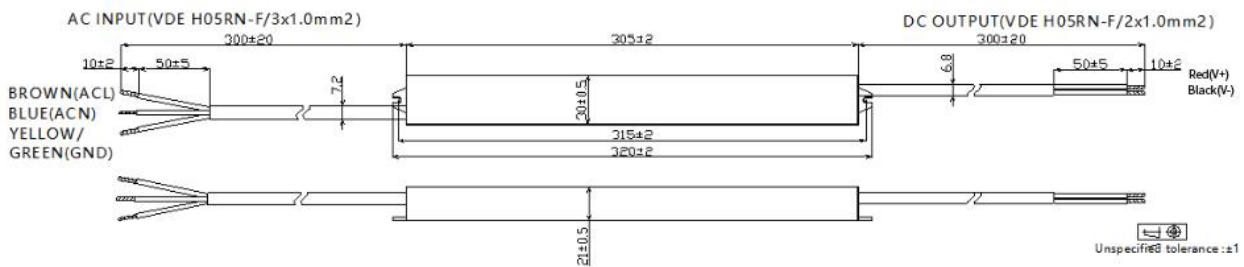
#### XSV30W24



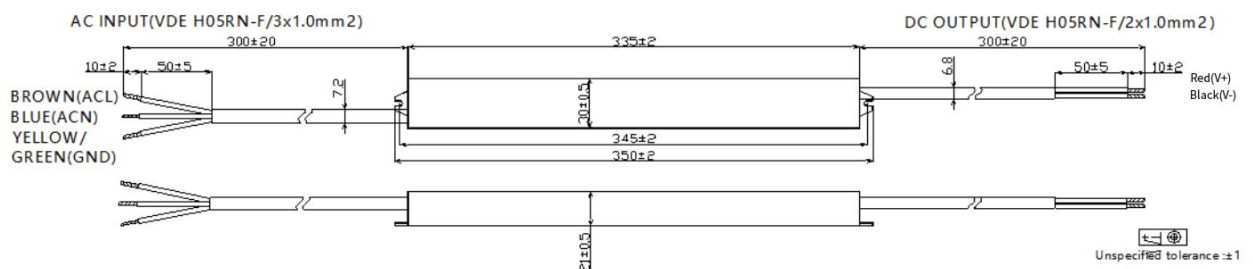
#### XSV60W24



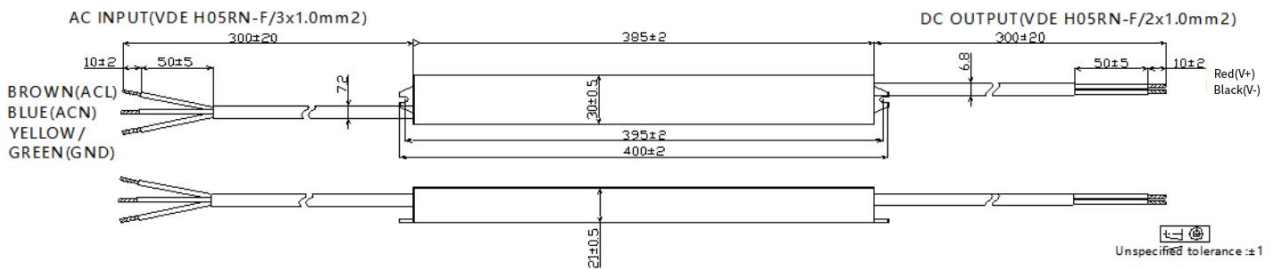
#### XSV100W24



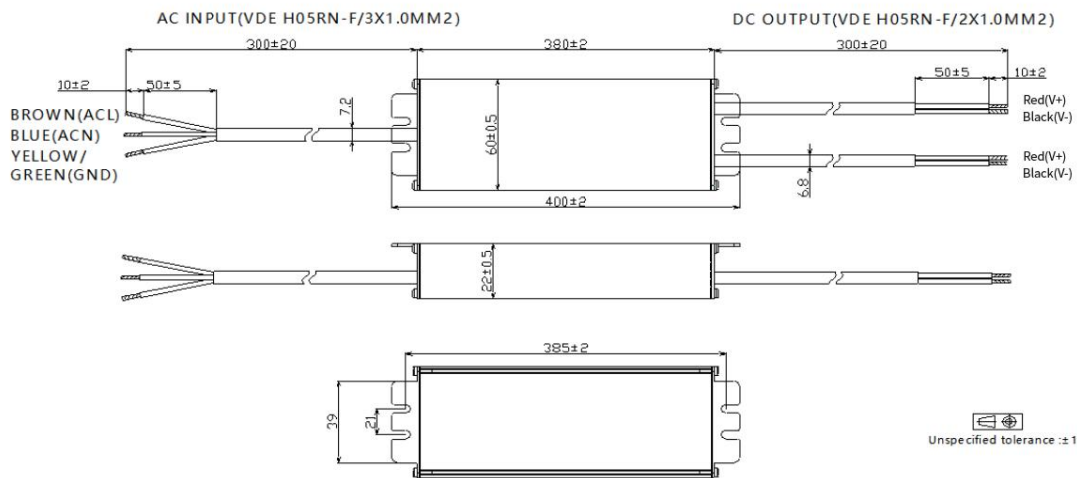
#### XSV160W24



### XSV240W24

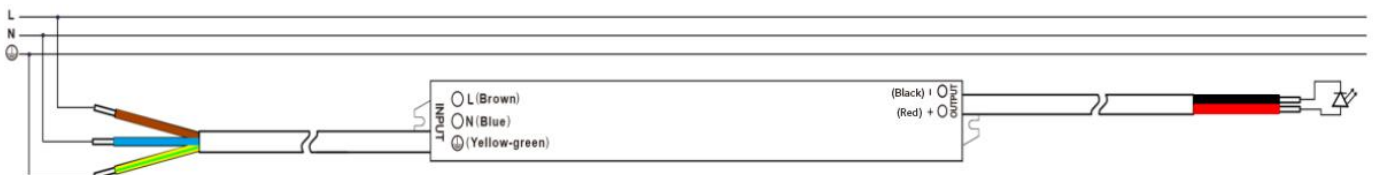


### XSV400W24



Remark: Two output cables are in parallel inside the drive, and the current of each cable does not exceed 10A.

### 5. Wiring Diagram



### 6.Packing information

Model	Carton L*W*H(cm)	Pcs/ Carton	Net weight/ Pcs(g)	Net weight/ Carton(kg)	Gross weight/ Carton(kg)
XSV30W24	34*29*20	30	340	10.2	11.8
XSV60W24	34*29*20	30	390	11.7	13.3
XSV100W24	39*29*20	30	420	12.6	14.3
XSV160W24	39*29*20	30	470	14.1	15.8
XSV240W24	44*29*14	20	530	10.6	11.9
XSV400W24	44*29*14	12	1050	12.6	13.6

### 7.REVISION HISTORY

Date	Revision	Remark
2021-12-06	A	Preliminary Edition
2022-3-06	B	Standard Edition
2024-05-17	C	Add ENEC certification mark
2024-08-12	D	Add life vs. Tc curve
2024-09-28	E	Update carton qty
2024-10-26	F	Output wire color change to red/black