

Light is OSRAM

OSRAM**OPTOTRONIC® X-Series****OT200/UNV/1A0/2DIM/P7 – Technical Specifications****General Information**

Item Number	57567
Type	Constant Current
Output Power	200W (Max.)
Programming Tool	57568
Programmable Features	Output Current Dim-to-Off Dimming Level Constant lumen output

Environmental Specifications

Ambient Operating Temperature	-40°C to 60°C
Case Temperature (Tc)	90°C (max) 75°C (Warranty)
Max. Storage Temp.	-40°C to 85°C
Max. Relative Humidity (%)	95%
Surge Protection	5KV line-line 10KV line-earth
IP Rating	IP67
UL Rating	Dry, Damp, & Wet
UL File number	E332689
EMI Compliance – CCC	GB/T 17743 GB 17625.1
EMI Compliance – CE	EN 55015 EN 61000-3-2 EN 61000-3-3 EN61000-4-2,3,4,5,6,11

Electrical Specifications**Input**

Input Voltage (VAC)	120V-277V (+/- 10%)	
Frequency Range (Hz)	50 – 60 Hz (+/- 10%)	
Input Current (A)	2.8 Max.	
Inrush Current (Apk) @ 230V	75	
	120V	277V
Efficiency @ Full load	91%	93%
THD @ Full Load	<10%	<15%
Power Factor @ Full Load	>0.99	>0.93

Output

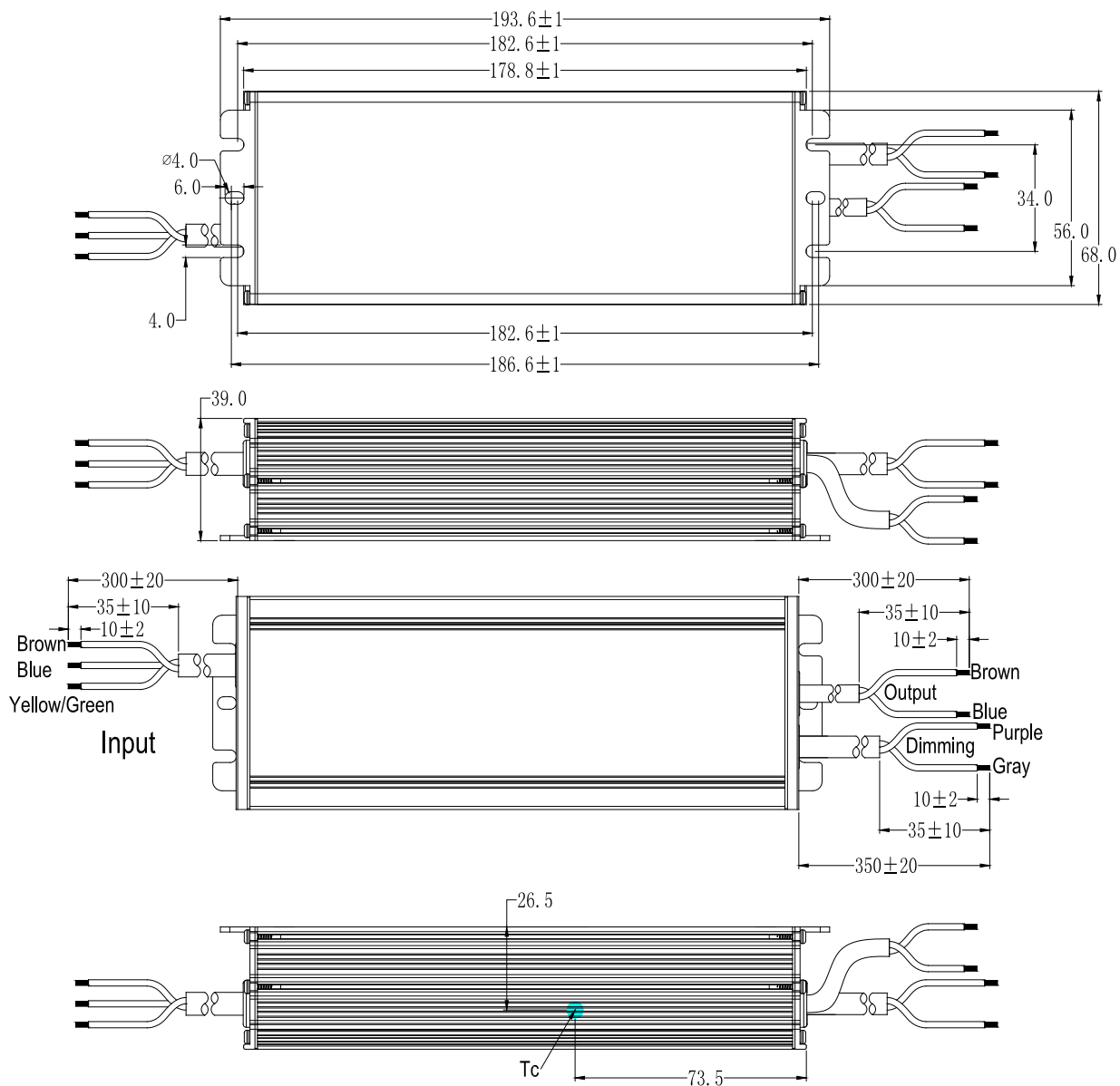
Output Current (mA)	530 - 1050 mA (Default: 700mA)
Output Voltage (VDC)	143-286 VDC
Output Ripple Current	< 10%
Max. Output Power (W)	200W
LED Power-Up Time	< 2sec Max. < 1sec Typical
Load Regulation	+/-3%
Line Regulation	+/-1%
Over Voltage Protection	Yes, non-latching
Output Short-Circuit	Yes, non-latching
Over Temperature Protection	Max derating 30%

Dimming

Dimming Control	0 – 10V
Dimming Range	10-100%
Dimming Type	Analog
Source/Sink Current	0.2mA Max.
Dim-to-Off OFF/ON Threshold	0.5V/0.7V
Dim-to-Off Standby Power	< 2W

CE CB

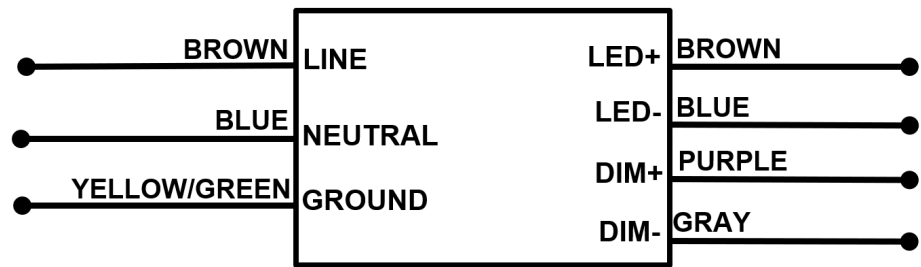
Mechanical Diagram



Mechanical Specifications

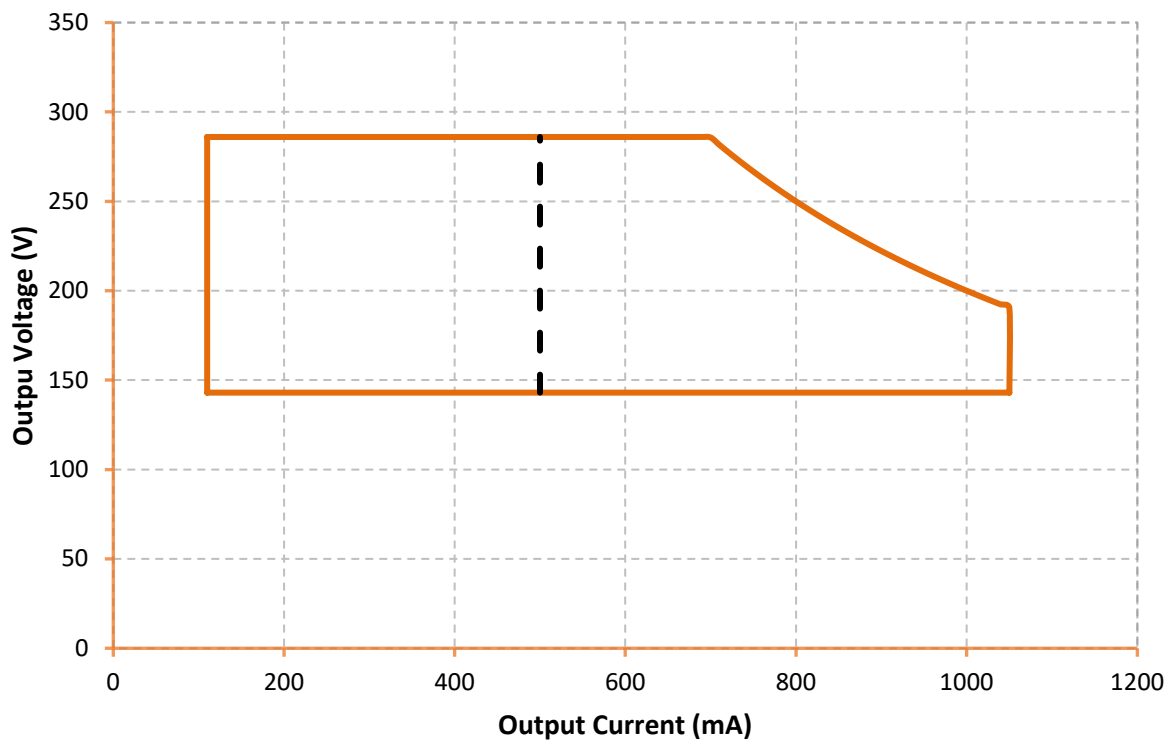
Length	7.0" (178.8 mm)
Width	2.68" (68.0 mm)
Height	1.54" (39.0 mm)
Mounting Length	7.6" (193.6 mm)
Mounting slot Width	0.16" (4.0 mm)

Wiring Diagram



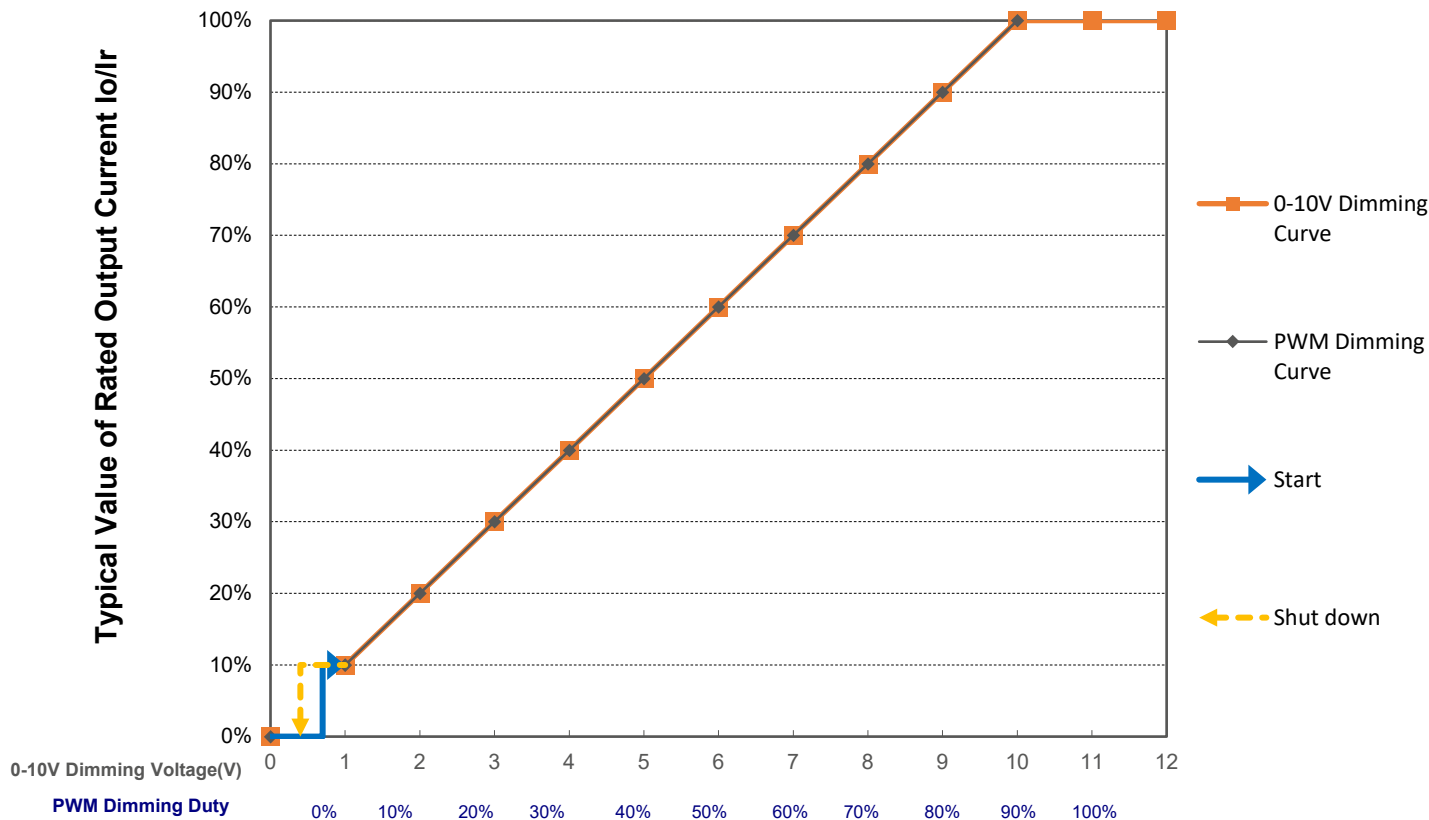
Wire	Specification	Note
Input	17AWG*3C SJOW external diameter: 8.3mm L=300±20mm peel length 35mm, Tin-dip length 10mm	for CCC/CE/UL
Output	17AWG*2C SJOW external diameter: 7.7mm L=300±20mm peel length 35mm, Tin-dip length 10mm	for CCC/CE/UL
Dimming	UL2733 22AWG*2C external diameter: 5.45mm L=350±10mm peel length 35mm, Tin-dip length 10mm	

Operating Curve

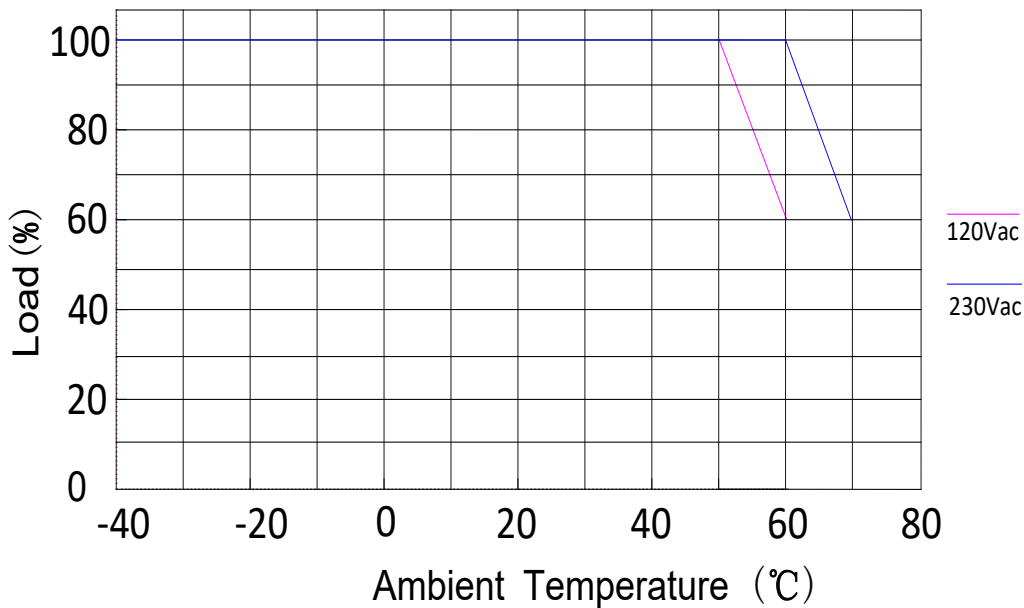


Note: Dashed line defines the programmable current range

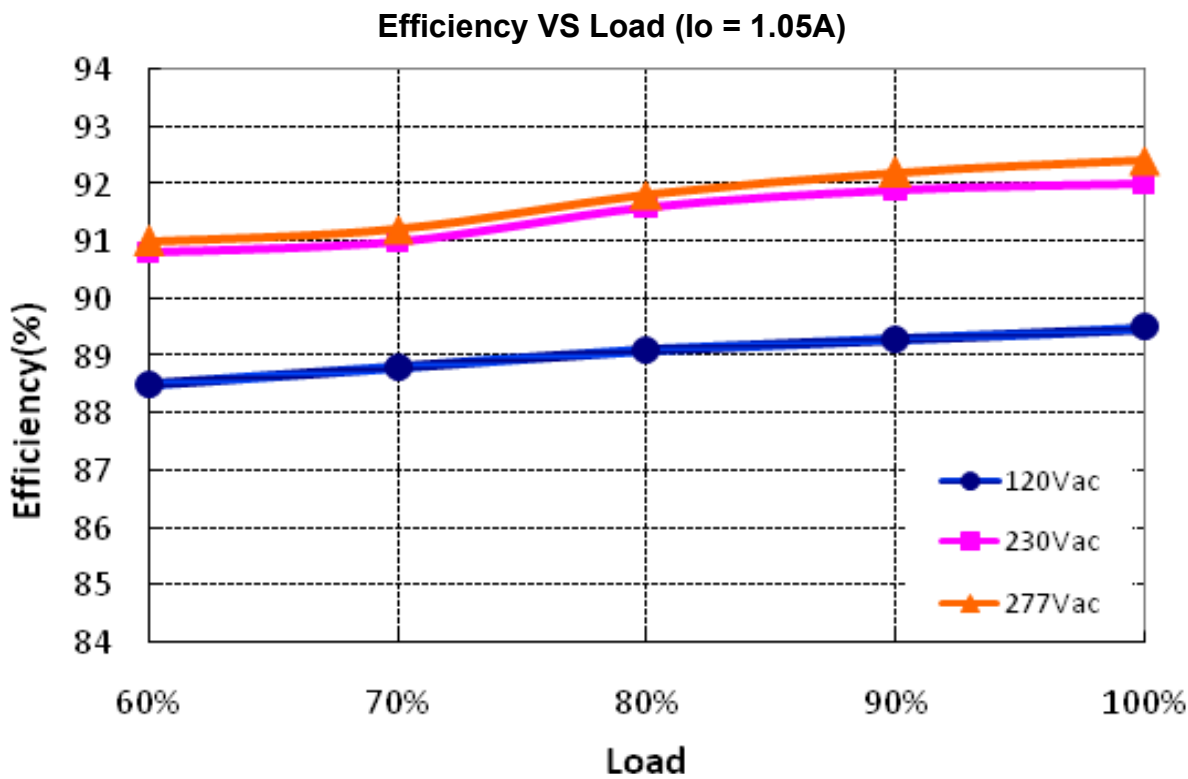
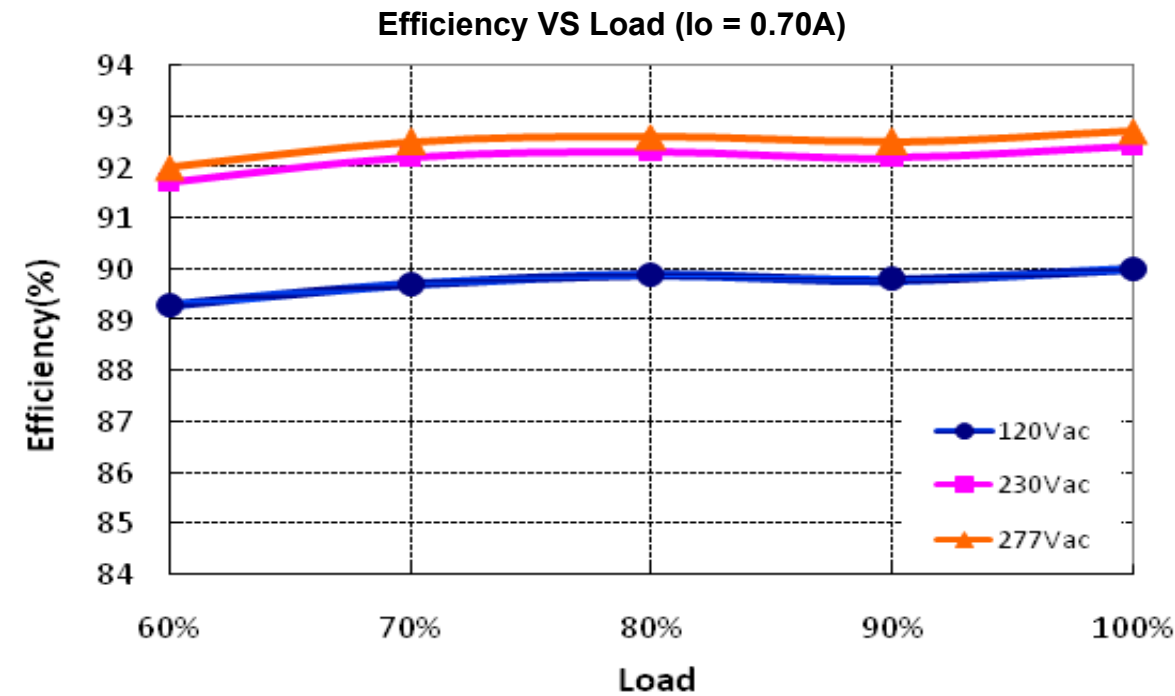
Dimming Curve



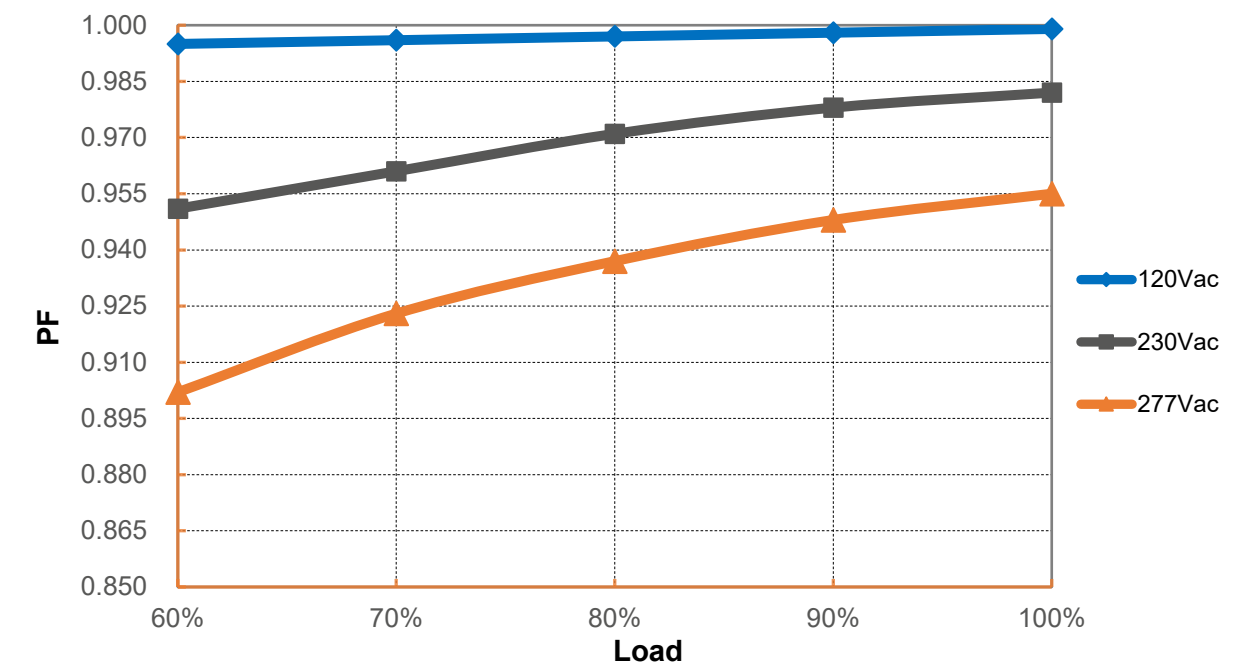
Derating Curve



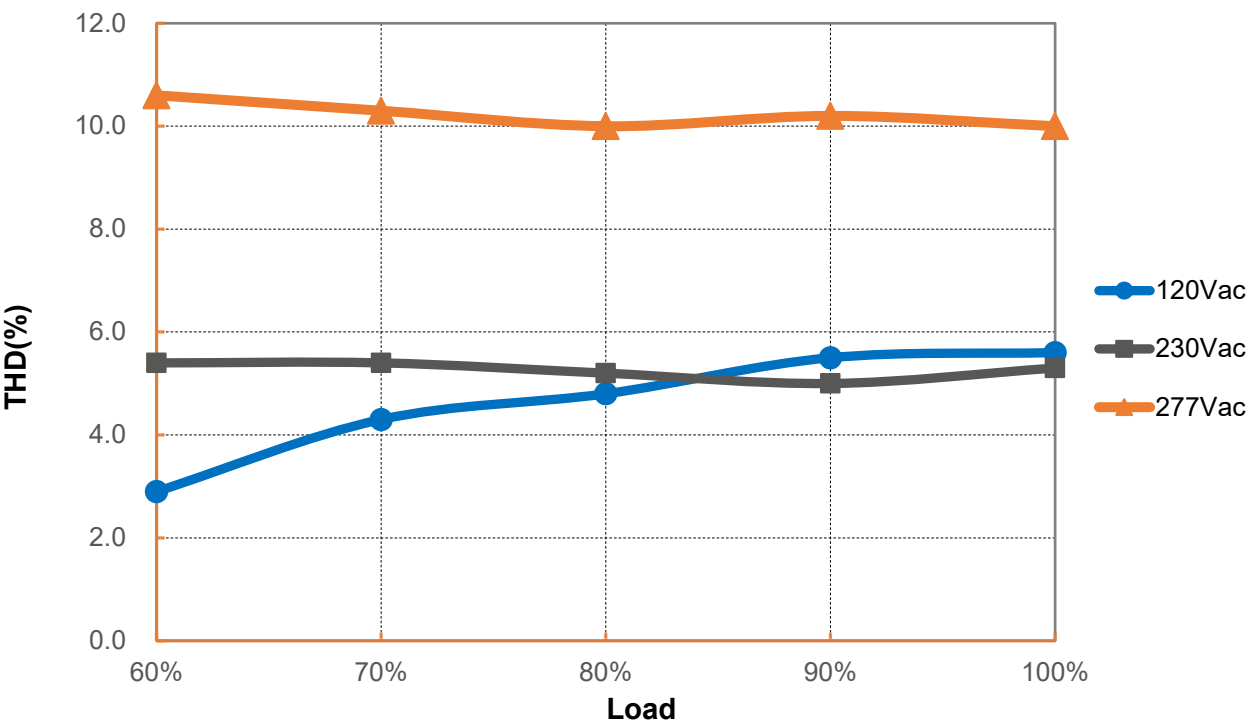
Efficiency vs. Output Voltage



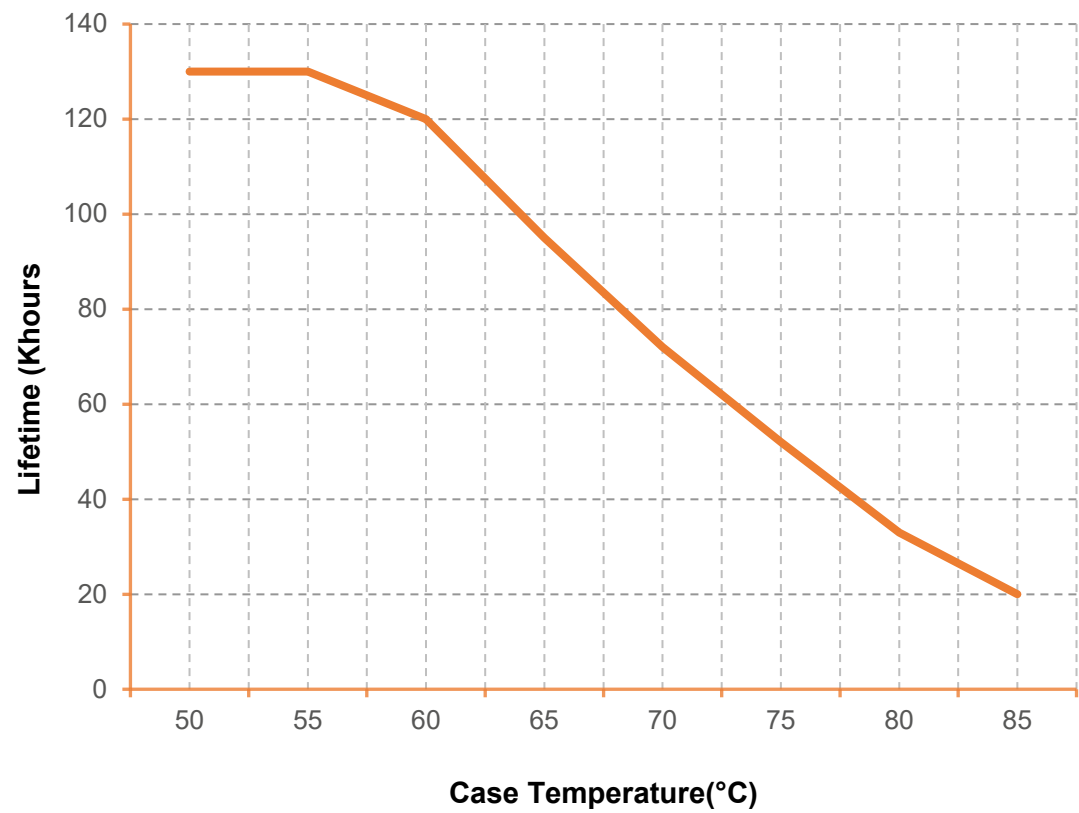
Power Factor Performance



THD Performance



Lifetime vs TCase



Warranty

The OPTOTRONIC® X-Series is covered under the standard 5-year OSRAM warranty at Tc 75°C