特性

- 恒压输出设计
- 200-240V 电压输入
- 可选DC12V 或DC24V 输出
- 输出无频闪，符合无频闪要求
- 能效等级符合V（五级能效）
- 快速启动，启动时间小于0.5s
- 具有SCP / OCP / OPP 保护功能
- 适用于恒压灯具，如恒压灯带，恒压线条灯等
- 5年质保

应用

- LED室内照明
- LED办公照明
- LED建筑照明
- LED商业照明

型号编码

BK - LGVXXX - XXXX

- XXXX：输出电压
- LGVXXX：产品系列
- BK：BOKE

电气规格					
型号	BK-LGV036-12V0	BK-LGV036-24V0	BK-LGV060-12V0	BK-LGV060-24V0	
输出参数					
额定输出电压	12V	24V	12V	24V	
额定电流	3A	1.5A	5A	2.5A	
额定功率	36W Max.	36W Max.	60W Max.	60W Max.	
电压纹波&噪声(注2)	≤250mV(Vpp)	≤250mV(Vpp)	≤250mV(Vpp)	≤250mV(Vpp)	
电压/电流精度	±5%	±5%	±5%	±5%	
线性调整率	±5%	±5%	±5%	±5%	
负载调整率	±5%	±5%	±5%	±5%	
输入参数					
额定工作电压	200-240VAC 200-240VDC				
极限电压范围	180-264VAC 180-264VDC				
工作频率	47-63Hz				
功率因数(PF)	>0.95 (230V AC & 输出满载)				
输入电流总谐波(I_{THD})	<15% (230V AC & 输出满载)				
转换效率（典型）	86%	87%	87%	88%	
空载功率	<0.3W		<0.2W		
能效等级	V（五级能效）		V（五级能效）		
输入电流	<0.35A(AC230V)		<0.45A(AC230V)		
浪涌电流(冷启动)	详见数据表				
断路器可配置产品数量	详见数据表				
开机时间	<0.5s		<0.5s		
保护					
输出短路保护	当输出短路时，驱动器将进入打嗝状态，当短路移除后可自动恢复正常				
输出过电流保护	≤4.5A	≤2.2A	≤8A	≤4A	
输出过电压保护	≤16Vdc	≤30Vdc	≤16Vdc	≤30Vdc	
环境					
工作温度	-20-45°C				
工作湿度	10-90% RH,无冷凝				
储存温度/湿度	-25-80°C,5-95% RH,无冷凝				
防水等级	IP20				
耐振动	10～500Hz, 5G 12分钟/周期, X、Y、Z轴各72分钟				
外壳温度 (注3)	Tc=85°C(Ta=45°C)				
MTBF	500000H,MIL-HDBK-217F(25°C)				
寿命	详见寿命曲线图				
环境保护	RoHS				
电磁兼容					
电磁兼容发射(注4)	EN55015,GB17743,EN61000-3-2 Class C,EN61000-3-3				
电磁兼容抗扰度	EN61000-4-2,3,4,5,6,8,11,EN61547				
安规					
安规标准	EN61347-1/2-13,GB19510.1/14,EN62384				
频闪标准	IEEE1789:2015				
认证	符合 CE ENEC-TUV				
耐压	I/P-O/P:3750VAC				
雷击	差模2KV,共模2KV.				
漏电流	<0.7mA @ 240Vac				
绝缘阻抗	I/P-O/P:100MΩ/500Vdc/25°C/70% RH				

备注

1.如未特别说明，所有规格参数均在输入为230VAC、额定负载、25°C环境温度下进行量测。

2.纹波和噪声测量：使用一条12"双绞线，同时终端要并联0.1uf和47uf的电容，在20MHZ带宽下进行量测。

3.当此电源应用于灯具时，需保证在灯具最高额定工作温度下，电源tc点的工作温度不能超过电源标签上标识的tc温度。

4.电源被视为一个元件与终端设备结合使用，因为EMC受整套装置的影响，终端设备制造商需对整套装置重新进行EMC确认。

电气规格					
型号	BK-LGV072-12V0	BK-LGV072-24V0	BK-LGV100-12V0	BK-LGV100-24V0	
输出参数					
额定输出电压	12V	24V	12V	24V	
额定电流	6A	3A	8.4A	4.2A	
额定功率	72W Max.	72W Max.	100.8W Max.	100.8W Max.	
电压纹波&噪声(注2)	≤250mV(Vpp)	≤250mV(Vpp)	≤250mV(Vpp)	≤250mV(Vpp)	
电压/电流精度	±5%	±5%	±5%	±5%	
线性调整率	±5%	±5%	±5%	±5%	
负载调整率	±5%	±5%	±5%	±5%	
输入参数					
额定工作电压	200-240VAC 200-240VDC				
极限电压范围	180-264VAC 180-264VDC				
工作频率	47-63Hz				
功率因数(PF)	>0.95 (230V AC & 输出满载)				
输入电流总谐波(I_{THD})	<15% (230V AC & 输出满载)				
转换效率（典型）	87%	88%	89%	90%	
空载功率	<0.5W		<0.5W		
能效等级	V（五级能效）		V（五级能效）		
输入电流	<0.6A(AC230V)		<0.65A(AC230V)		
浪涌电流(冷启动)	详见数据表				
断路器可配置产品数量	详见数据表				
开机时间	<0.8s		<0.5s		
保护					
输出短路保护	当输出短路时，驱动器将进入打嗝状态，当短路移除后可自动恢复正常				
输出过电流保护	≤8.5A	≤4.5A	≤10.5A	≤5.5A	
输出过电压保护	≤16Vdc	≤28Vdc	≤17.5Vdc	≤33Vdc	
环境					
工作温度	-20-45°C		-20-50°C		
工作湿度	10-90% RH,无冷凝				
储存温度/湿度	-25-80°C,5-95% RH,无冷凝				
防水等级	IP20				
耐振动	10～500Hz, 5G 12分钟/周期, X、Y、Z轴各72分钟				
外壳温度 (注3)	Tc=90°C(Ta=45°C)		Tc=90°C(Ta=50°C)		
MTBF	500000H,MIL-HDBK-217F(25°C)				
寿命	详见寿命曲线图				
环境保护	RoHS				
电磁兼容					
电磁兼容发射(注4)	EN55015,GB17743,EN61000-3-2 Class C,EN61000-3-3				
电磁兼容抗扰度	EN61000-4-2,3,4,5,6,8,11,EN61547				
安规					
安规标准	EN61347-1/2-13,GB19510.1/14,EN62384				
频闪标准	IEEE1789:2015				
认证	符合 CE ENEC				
耐压	I/P-O/P:3750VAC				
雷击	差模2KV,共模2KV.				
漏电流	<0.7mA @ 240Vac				
绝缘阻抗	I/P-O/P:100MΩ/500Vdc/25°C/70% RH				

备注

1.如未特别说明，所有规格参数均在输入为230VAC、额定负载、25°C环境温度下进行量测。

2.纹波和噪声测量：使用一条12"双绞线，同时终端要并联0.1uf和47uf的电容，在20MHZ带宽下进行量测。

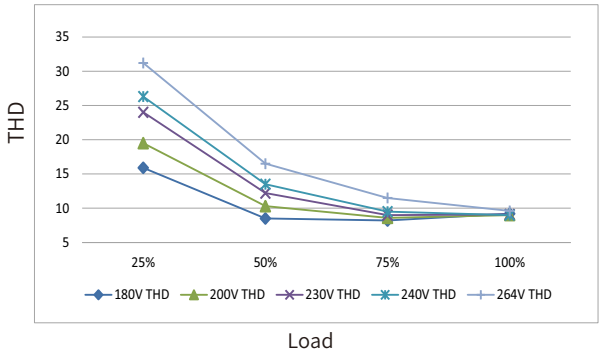
3.当此电源应用于灯具时，需保证在灯具最高额定工作温度下，电源tc点的工作温度不能超过电源标签上标识的tc温度。

4.电源被视为一个元件与终端设备结合使用，因为EMC受整套装置的影响，终端设备制造商需对整套装置重新进行EMC确认。

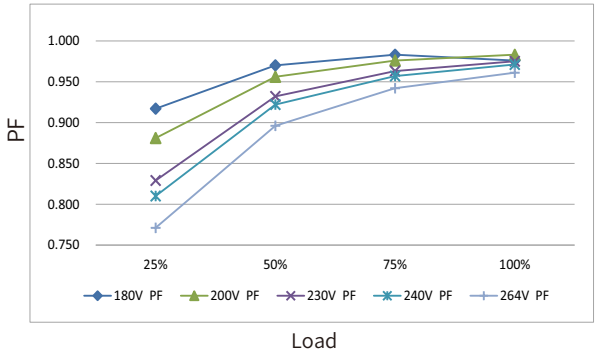
电气曲线图

BK-LGV036-12V0 电气特性曲线图

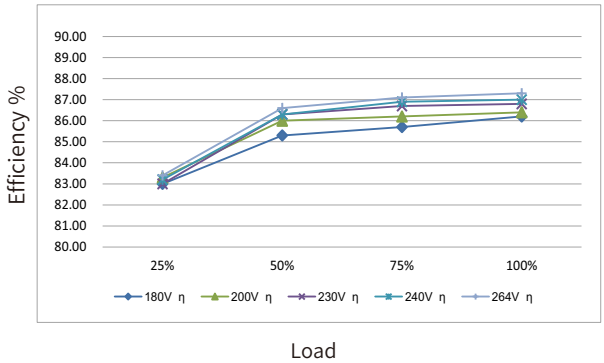
THD vs. Load



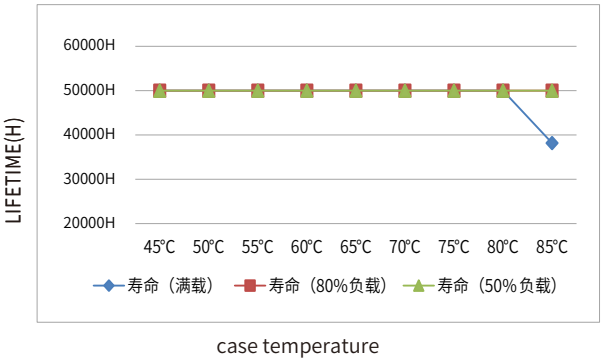
Power factor vs. Load



Efficiency vs. Load

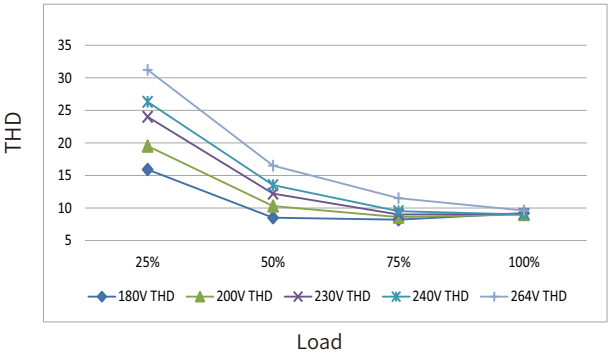


Lifetime vs. case temperature

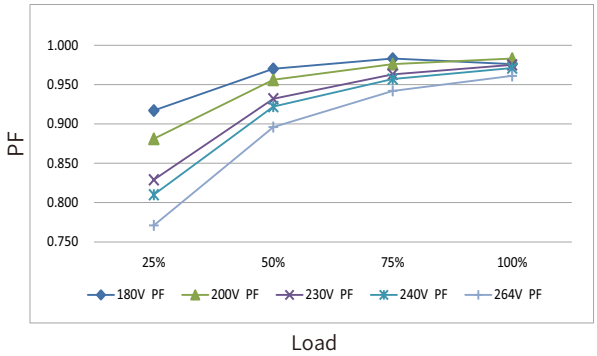


BK-LGV036-24V0 电气特性曲线图

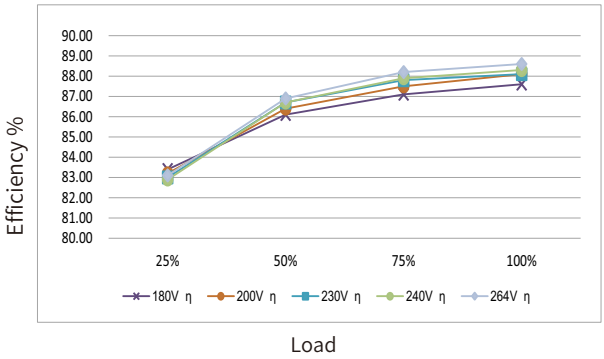
THD vs. Load



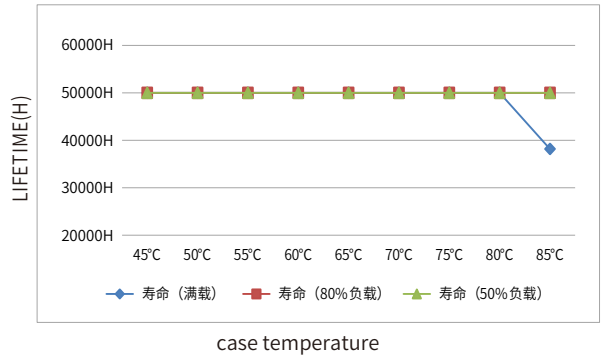
Power factor vs. Load



Efficiency vs. Load



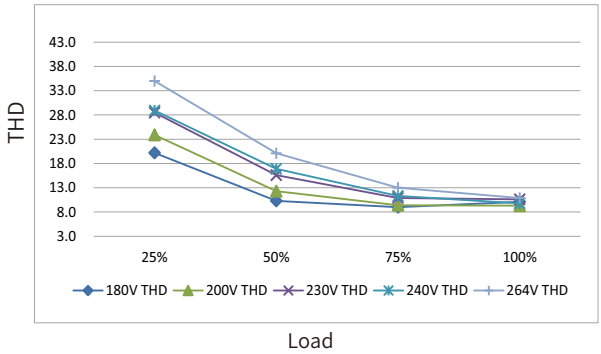
Lifetime vs. case temperature



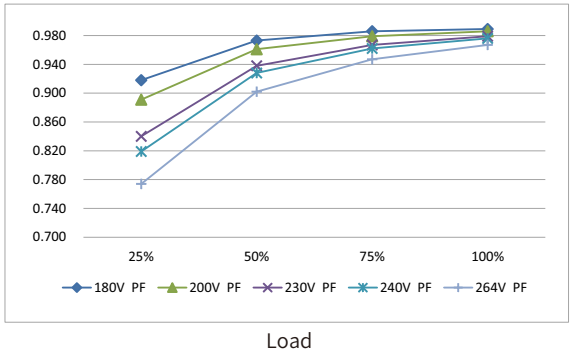
电气曲线图

BK-LGV060-12V0 电气特性曲线图

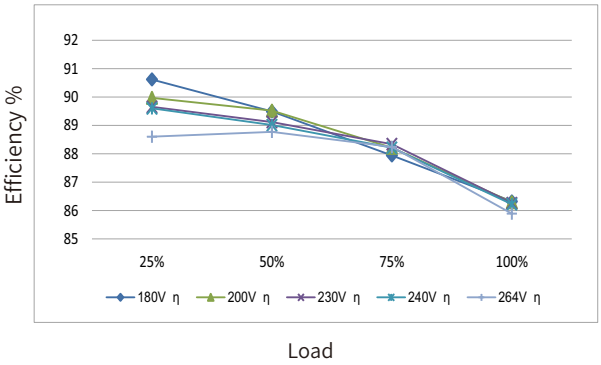
THD vs. Load



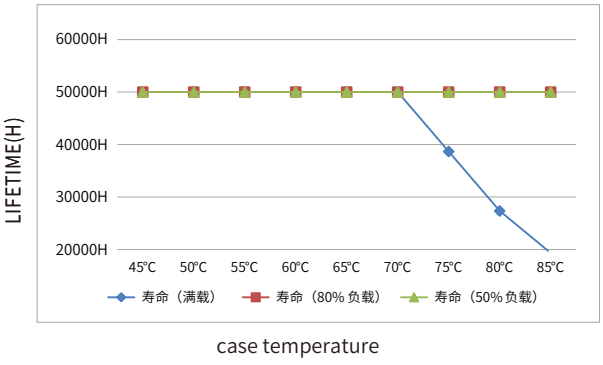
Power factor vs. Load



Efficiency vs. Load

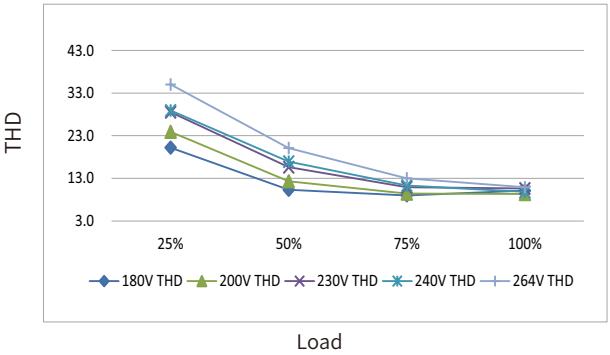


Lifetime vs. case temperature

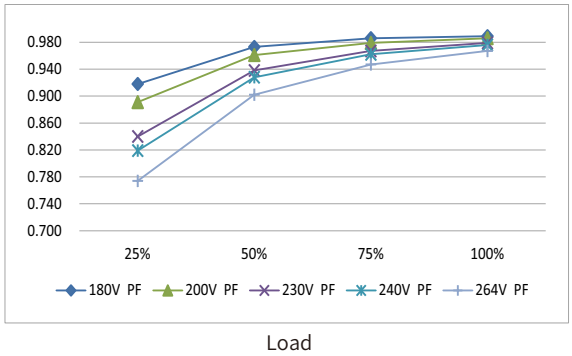


BK-LGV060-24V0 电气特性曲线图

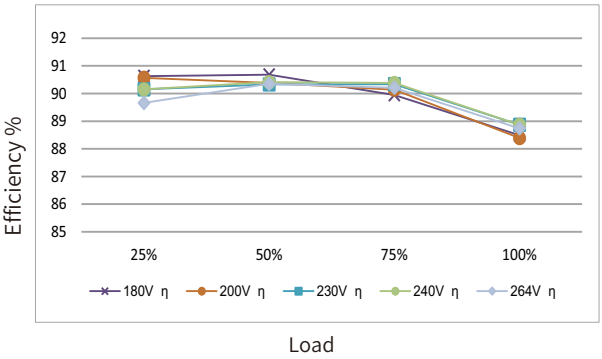
THD vs. Load



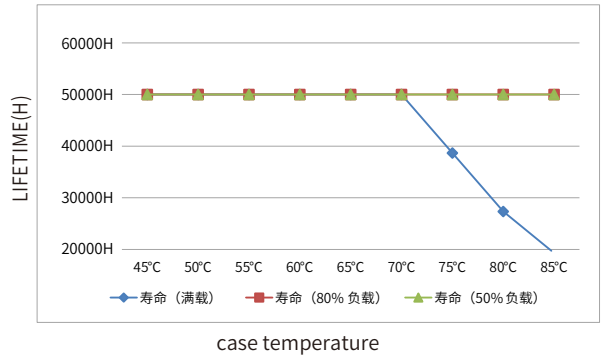
Power factor vs. Load



Efficiency vs. Load



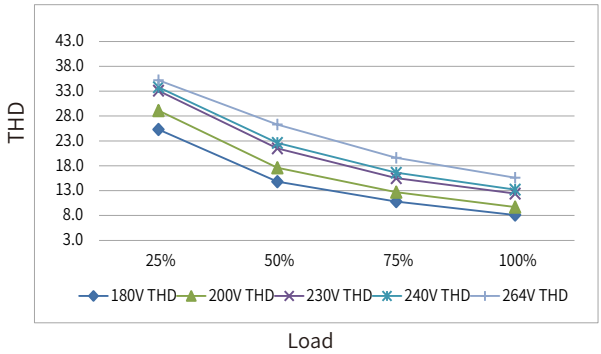
Lifetime vs. case temperature



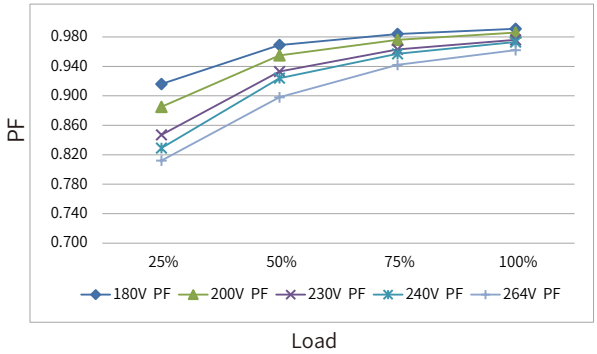
电气曲线图

BK-LGV072-12V0 电气特性曲线图

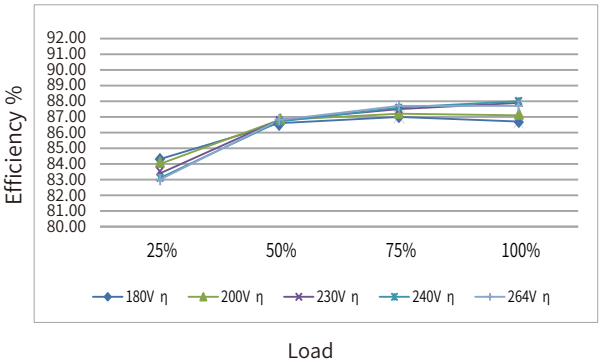
THD vs. Load



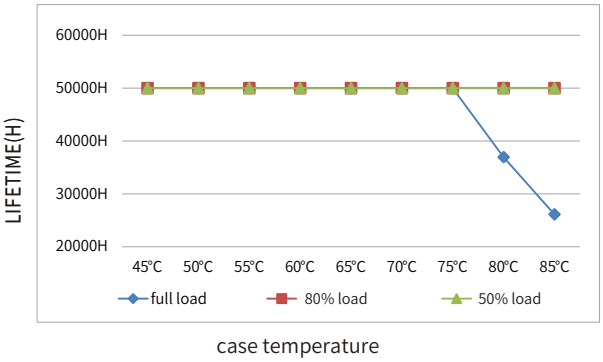
Power factor vs. Load



Efficiency vs. Load

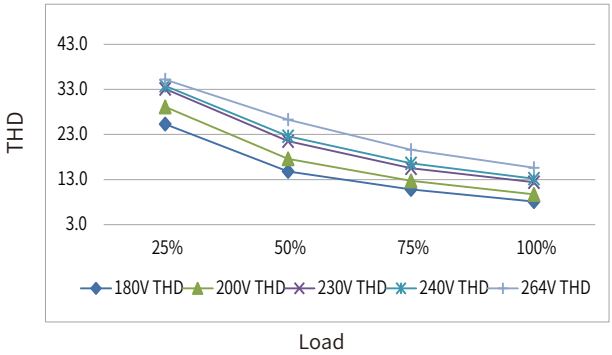


Lifetime vs. case temperature

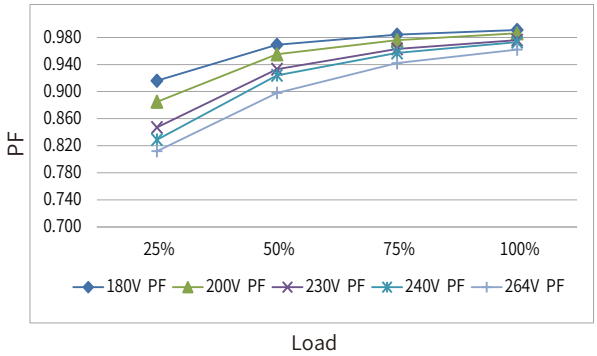


BK-LGV072-24V0 电气特性曲线图

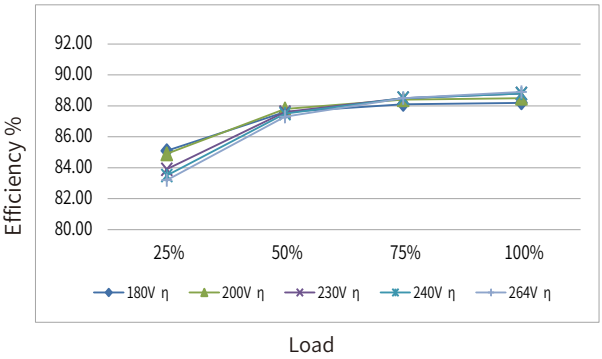
THD vs. Load



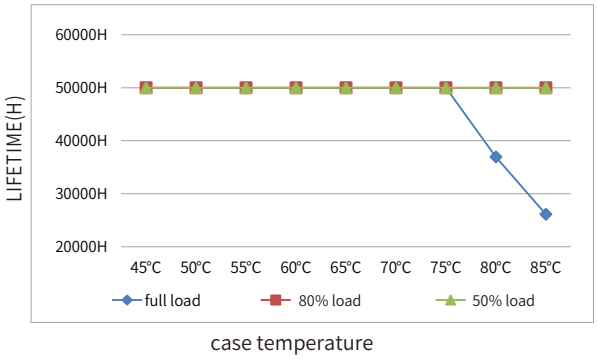
Power factor vs. Load



Efficiency vs. Load



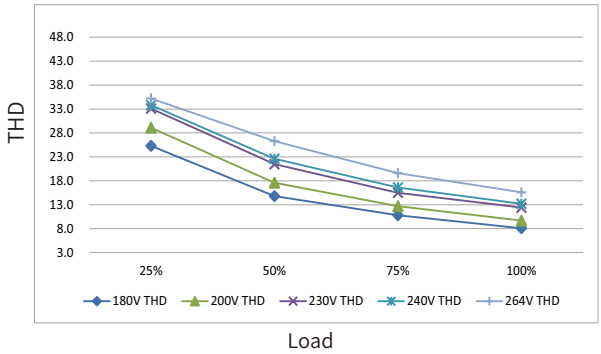
Lifetime vs. case temperature



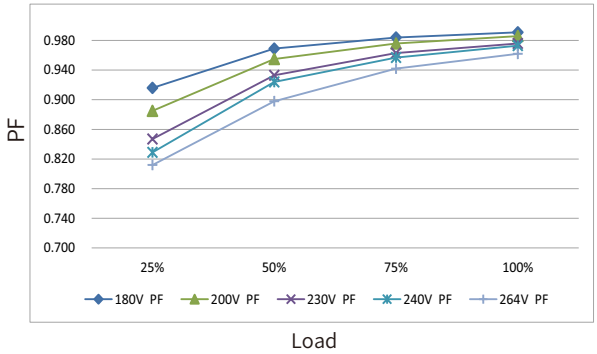
电气曲线图

BK-LGV100-12V0 电气特性曲线图

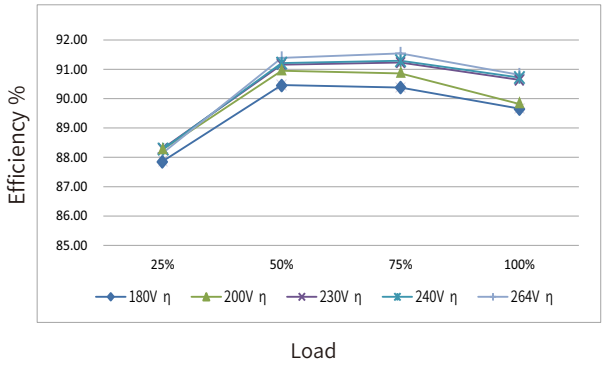
THD vs. Load



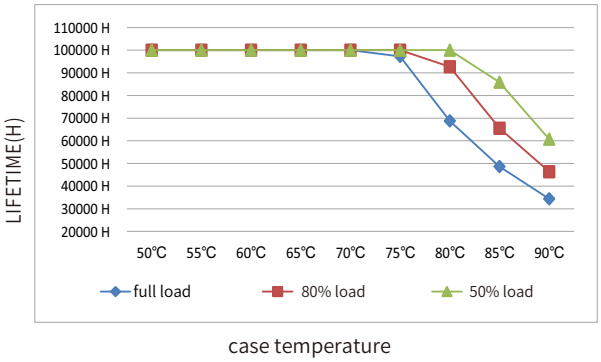
Power factor vs. Load



Efficiency vs. Load

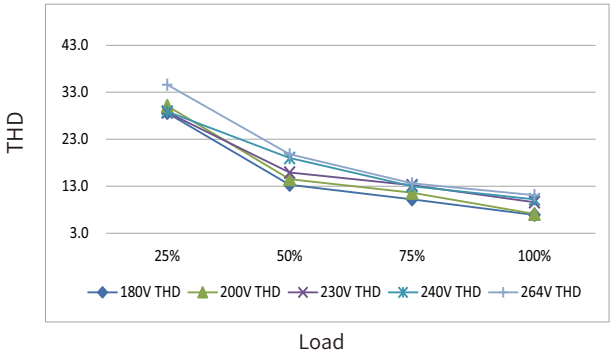


Lifetime vs. case temperature

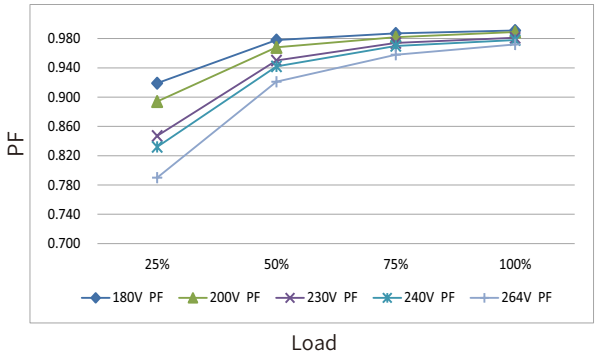


BK-LGV100-24V0 电气特性曲线图

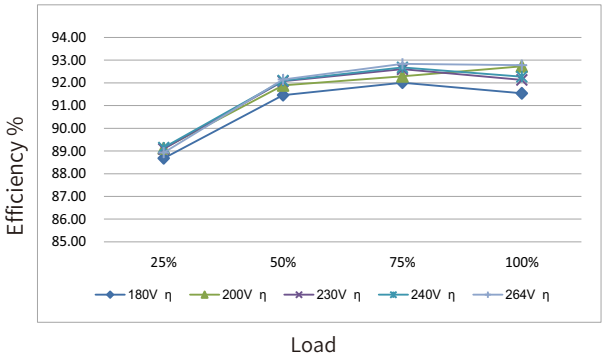
THD vs. Load



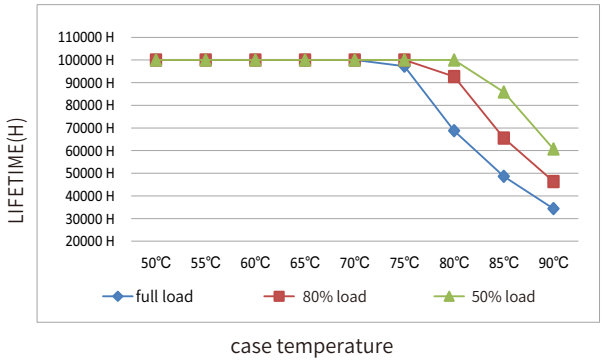
Power factor vs. Load



Efficiency vs. Load

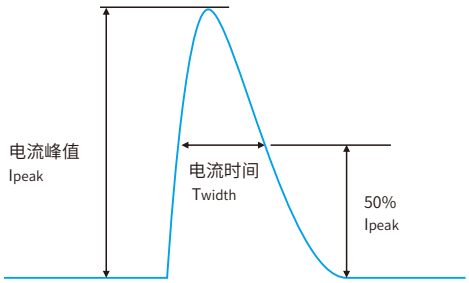


Lifetime vs. case temperature



浪涌电流

型号	电流峰值 Ipeak	电流时间 Twidth	条件	MCB挂载的最大数量/台														
				B10	B13	B16	B20	B25	C10	C13	C16	C20	C25	D10	D13	D16	D20	D25
BK-LGV036	33.35A	274us	AC 230V,满载,冷启动,Ta≤30°C,MCB无并排安装	6	8	10	13	16	10	14	17	21	26	21	27	34	42	52
BK-LGV060	48.5A	340us		3	5	6	7	9	6	8	9	12	14	12	15	18	23	29
BK-LGV072	59.75A	320us		3	4	5	6	7	5	6	8	10	12	10	13	16	20	25
BK-LGV100	50.6A	350us		3	4	5	6	8	5	7	9	11	13	11	14	17	22	27

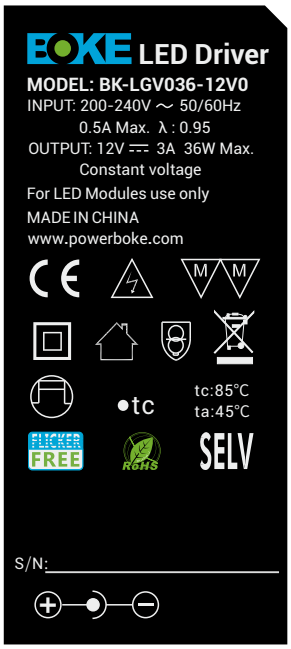


备注:

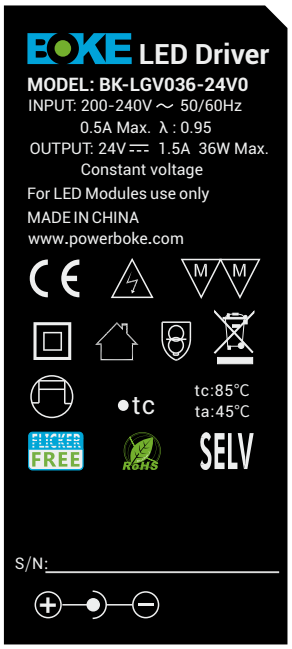
- 表格中不同MCB下挂载的驱动器数量是最大的值，安装时请勿超过这个数量。
- 使用ABB品牌的S200系列微型断路器(MCB)的参数作为计算参考。
- 不同品牌和型号的微型断路器，驱动器的挂载数量会稍微差异。
- 当MCB的安装环境温度超过30°C或多个MCB并排安装时，挂载的驱动器数量会降低，需要重新进行计算。
- 电工通常考虑将B型MCB用于家用照明，将C型MCB用于商业照明。

产品标签

BK-LGV036-12V0



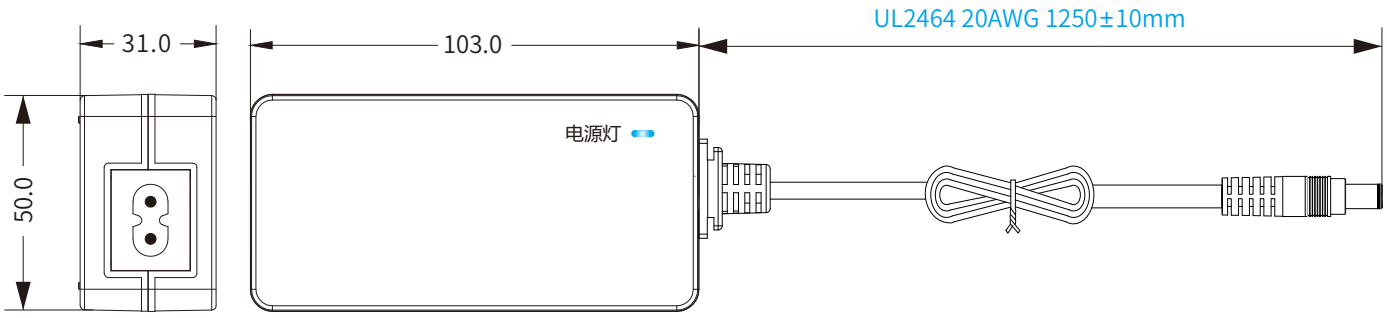
BK-LGV036-24V0



产品结构

BK-LGV036-12V0

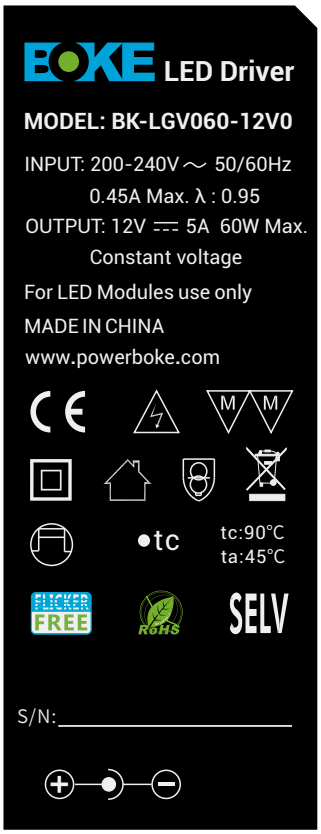
BK-LGV036-24V0



AC 端口

产品标签

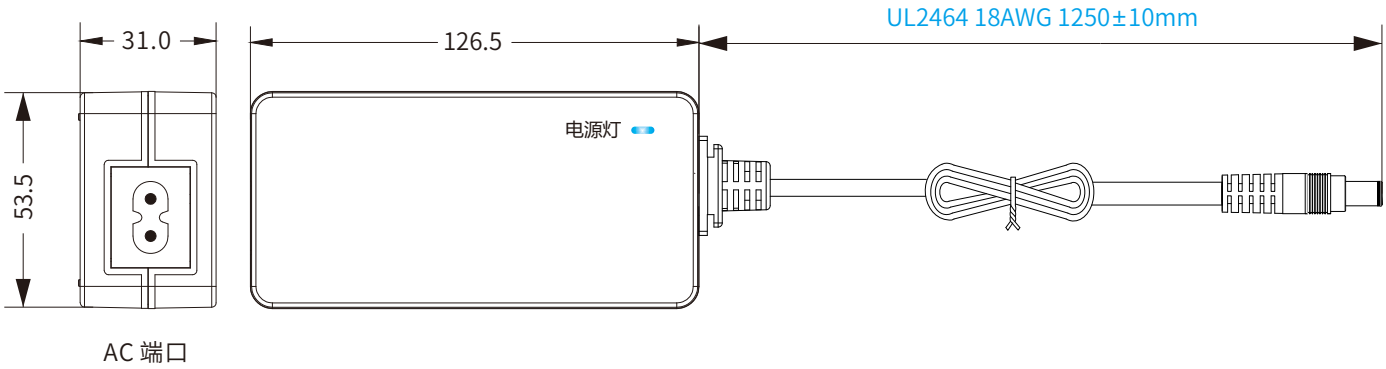
BK-LGV060-12V0



BK-LGV060-24V0

产品结构

BK-LGV060-12V0



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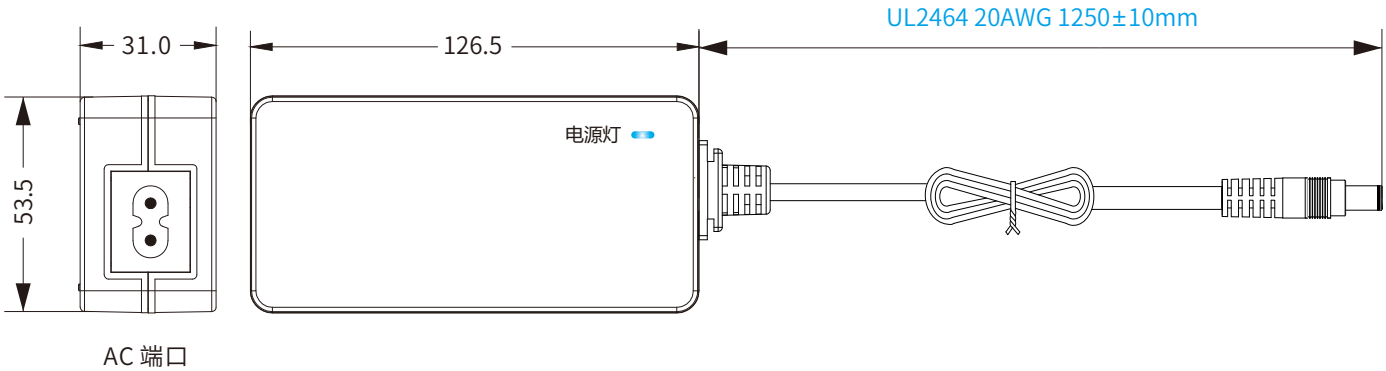
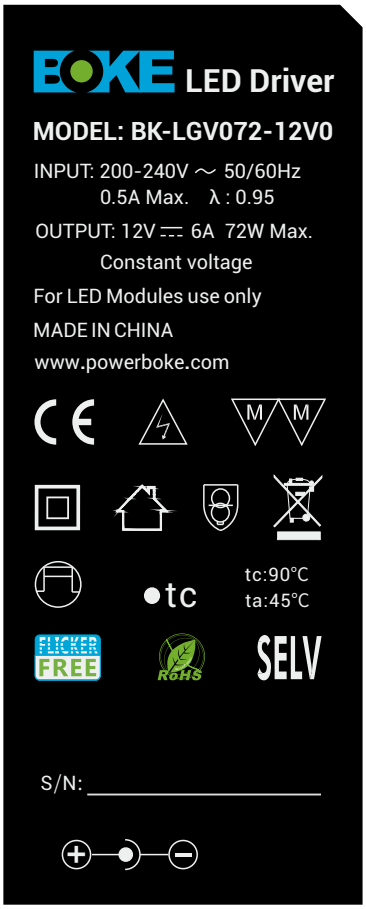


产品标签

BK-LGV072-12V0



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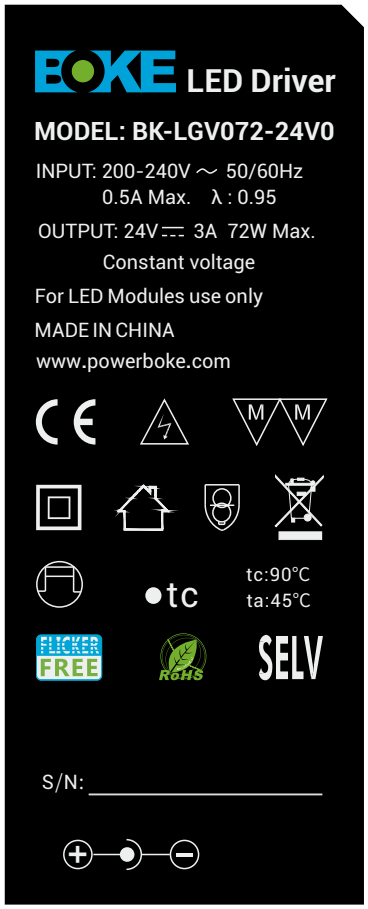

产品结构

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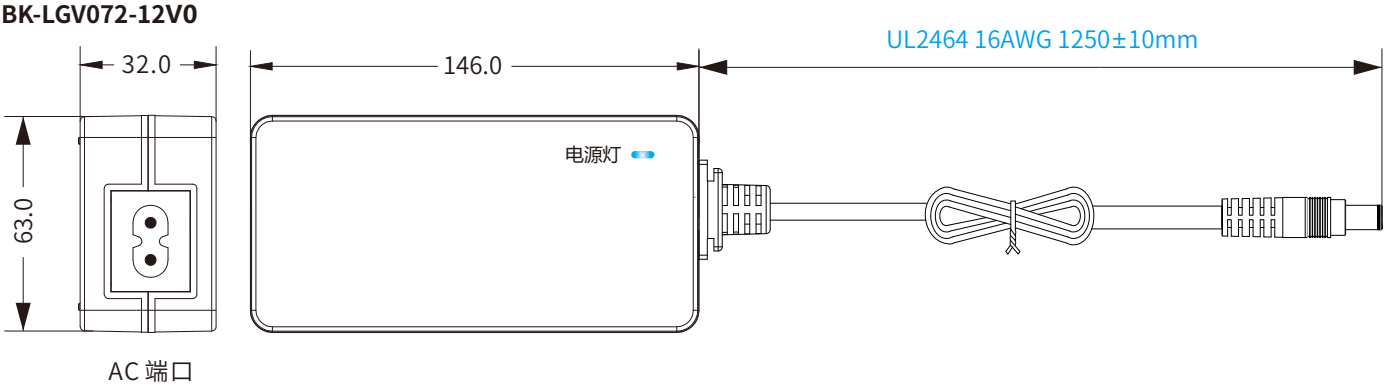

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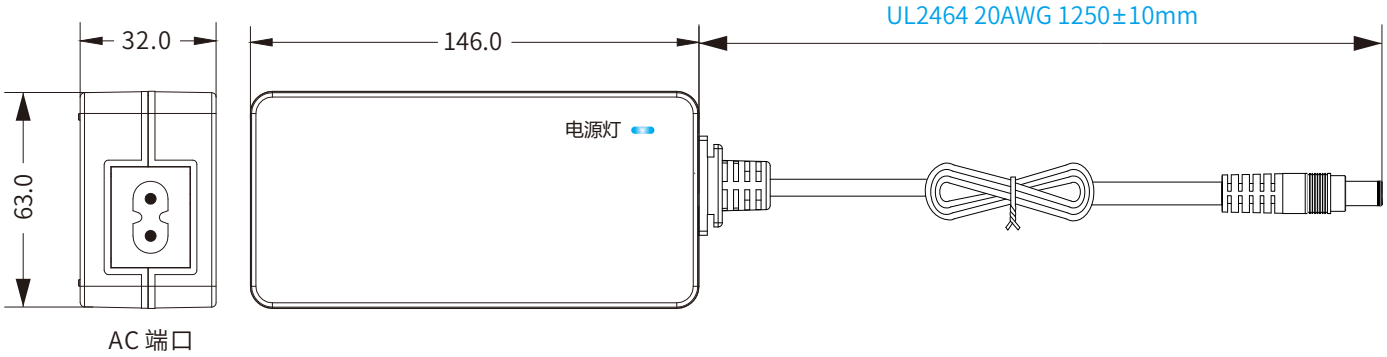


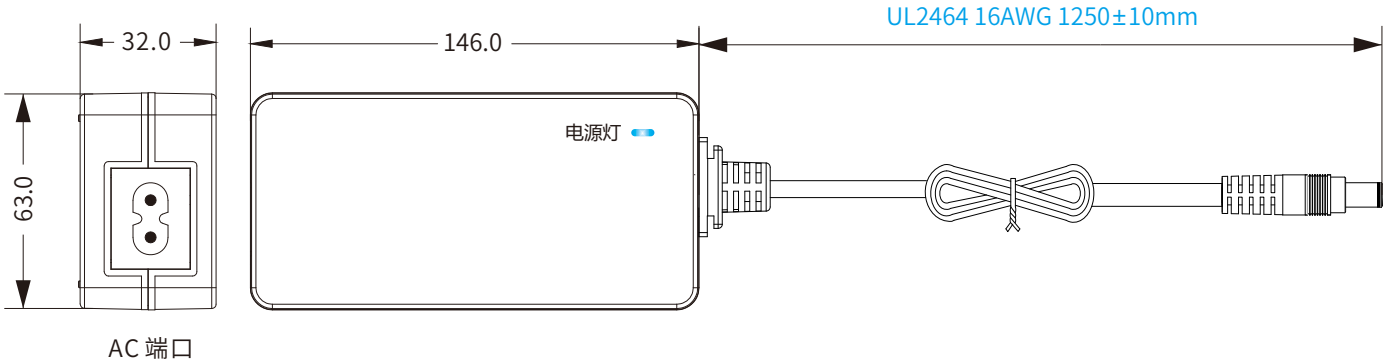
产品标签

BK-LGV100-12V0

BK-LGV100-24V0

产品结构

BK-LGV100-12V0



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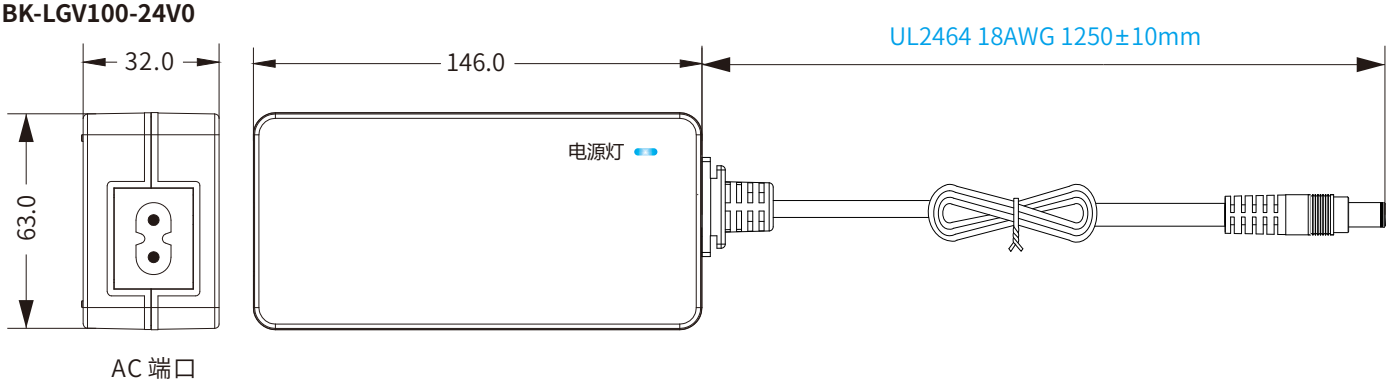
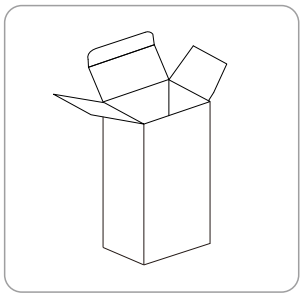
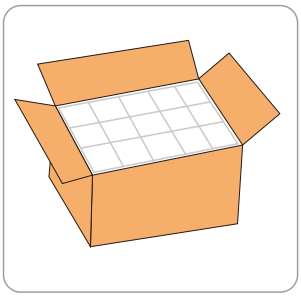


产品包装

产品



内盒



12台*3层=36台/箱
10台*3层=30台/箱

型号	产品尺寸	重量/台	白盒尺寸	外箱尺寸	包装/箱	净量/箱	毛量/箱
LGV036	L103*W50*H31mm	160g	L170*W72*H72mm	L450*W360*H240mm	36台	5.80kg	7.90kg
LGV060	L126.5*W53.5*H31mm	230g	L170*W72*H72mm	L450*W360*H240mm	36台	8.30kg	10.5kg
LGV072	L146*W63*H32mm	335g	L190*W72*H72mm	L400*W380*H240mm	30台	10.2kg	12.5kg
LGV100	L146*W63*H32mm	340g	L190*W72*H72mm	L400*W380*H240mm	30台	10.3kg	12.6kg

附加信息

1. 本产品只能放置在灯体外使用,不可放置在灯体内使用, 同时必须在规定的工作环境内使用。
2. 产品使用寿命和MTBF仅供参考，并不代表为质保声明，如果驱动器已被开启则不保修。
4. 想获取更多的信息请发送电子邮件至 info@powerboke.com。