



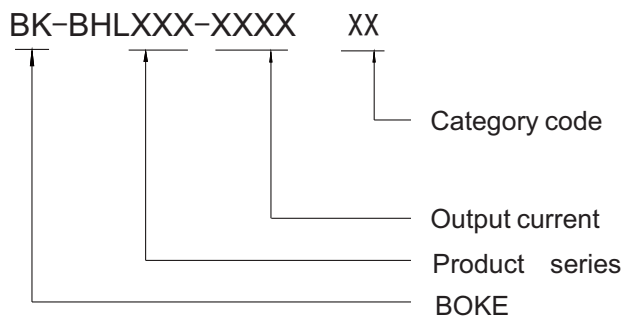
■ FEATURES

1. 180-264VAC input
2. Class I driver, contain FG, flicker free
3. Built in active PFC function, high PF, low THD
4. Standby power consumption <0.5W to turn off dimmable port.
5. Optional dimming methods
6. Constant current mode output with multiple levels selectable by DIP switch
7. Supporting multi-power supplies synchronous dimming connected in parallel
8. Cooling by free air convection
9. Suitable for indoor LED lighting applications
10. Built in 1-10V & 10V PWM dimming function
11. 5 years warranty

■ APPLICATION

1. LED indoor lighting
2. LED office lighting
3. LED architectural lighting
4. LED panel lamp lighting

■ MODEL CODE



ELECTRICAL SPECIFICATION

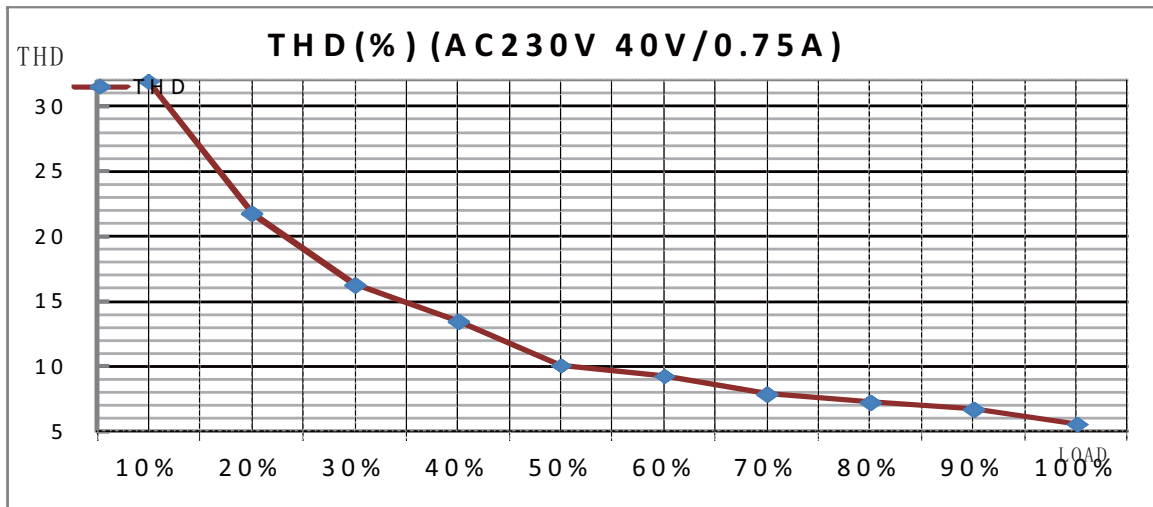
MODEL	BK-BHL030-0750AM	BK-BHL040-1000AM	BK-BHL040-0750BM	BK-BHL050-1250AM	BK-BHL050-1000BM	
OUTPUT	DC CURRENT	0.3-0.75A	0.55-1.0A	0.3-0.75A	0.8-1.25A	0.55-1.0A
	DC VOLTAGE RANGE	3-42V	3-42V	3-54V	3-42V	3-54V
	RATED POWER	30W Max.	40W Max.	40W Max.	50W Max.	50W Max.
	Voltage RIPPLE & NOISE Note.2	≤200mV(Vpp)	≤300mV(Vpp)	≤350mV(Vpp)	≤300mV(Vpp)	≤350mV(Vpp)
	Current RIPPLE & NOISE Note.2	≤20mA(RMS)	≤30mA(RMS)	≤20mA(RMS)	≤50mA(RMS)	≤50mA(RMS)
	CONSTANT CURRENT ADJ. RANGE	DIP S.W	DIP S.W	DIP S.W	DIP S.W	DIP S.W
	CONSTANT CURRENT ACCURACY	±5%	±5%	±5%	±5%	±5%
	LINE REGULATION	±5%	±5%	±5%	±5%	±5%
	LOAD REGULATION	±5%	±5%	±5%	±5%	±5%
Dimming port output current	< 1mA(When DIM + is shorted with DIM-)					
INPUT	RATED VOLTAGE	200-240VAC,DC200-240V				
	AC VOLTAGE RANGE	180-264VAC				
	DC VOLTAGE RANGE	180-264VDC				
	FREQUENCY RANGE	47-63Hz				
	POWER FACTOR	PF>0.95 @ 230VAC/full load,PF>0.90 @ 230VAC/>50% load				
	TOTAL HARMONIC DISTORTION	THD<10% @ 230VAC/full load,THD<15% @ 230VAC/>50% load				
	EFFICIENCY (Typ.)	87%	89%	90%	90%	90%
	STANDBY POWER Note.3	<0.5W @ 230Vac				
	INPUT CURRENT	<0.25A @ 200Vac	<0.3A @ 200Vac		<0.35A @ 200Vac	
	INRUSH CURRENT (Cold start 230Vac)	<30A, <0.09A S ² (Twidth=100us measured at 50% Ipeak)	<30A, <0.12A S ² (Twidth=130us measured at 50% Ipeak)		<30A, <0.12A S ² (Twidth=130us measured at 50% Ipeak)	
	Max. No. of PSUs on 16A circuit breaker(230VAC)	40 units(type B); 48units(type C).	37 units(type B); 45units(type C).		32 units(type B); 37units(type C).	
TURN ON DELAY	<0.5S @ 230Vac					
PROTECTION	SHOTr CIRCUIT	Hiccup,recovers automatically after fult condition is removed				
	OVER VOLTAGE	50V	50V	63V	50V	63V
	OVER TEMPERATURE	Constant current limiting,recovers automatically after fult condition is removed				
ENVIRONMENT	OPERATION TEMPERATURE	- 20---60 °C				
	OPERATION HUMIDITY	10---90% RH non-condensing				
	STORAGR TEMPERA-TURE/HUMIDITY	- 40---80 °C 5---95% RH				
	IP CLASS	IP20				
	VIBRATION	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes				
	Tc	Tc=90°C (Ta=60°C)				
	MTBF	500000H,MIL-HDBK-217F(25°C)				
EMC	EMC EMISSION	Compliance to EN55015,GB17743,EN61000-3-2 Class C(≥50% load),EN61000-3-3				
	EMC IMMUNITY Note.4	Compliance to EN61000-4-2,3,4,5,6,8,1, EN61547, surge : L-N 2.5KV,L/N-PE 2.5KV.				
SAFETY	SAFETY STANDARDS	EN61347-1/2-13,GB19510.1/14 EN62384,IEEE1789				
	DALI STANDARDS	N/A				
	CERTIFICATE	Conform to ENEC CE, SAA,RCM				
	WITHSTAND VOLTAGE	I/P-O/P:3750VAC,I/P-FG:1750VAC,O/P-FG:500VAC.				
	LEAKAGE CURRENT	<0.75mA @ 230Vac				
	Isolation resistance	I/P-O/P,I/P-FG,O/P-FG:100MΩ/500Vdc/25°C/70% RH				
PACKAGE	DIMENSION	L245*W30.2*H20.6mm	L285*W30.2*H20.6mm		L285*W30.2*H20.6mm	
	Carton	L410*W295*H200mm	L415*W330*H190mm		L415*W330*H190mm	
	SINGLE WEIGHT	0.168Kg	0.205 Kg		0.230 Kg	
	PACKING	48PCS/CTN	40PCS/CTN		40PCS/CTN	
	NET WEIGHT	8.1KG/CTN	8.2KG/CTN		9.3KG/CTN	
	GROSS WEIGHT	9.6KG/CTN	9.4KG/CTN		10.5KG/CTN	
	Environmental protection	RoHS				
	INPUT CONNECTION	PCB connector/3.5mm/6PIN/orange*2+gray*2/0.75mm-1.5mm^2				
	OUTPUT CONNECTION	PCB connector/3.5mm/4PIN/black+green+black+red/0.5-1.5mm^2				
NOTE	1.All parameter are measured at 230VAC input, rated load and 25°C of ambient temperature.					
	2.Ripple & Noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF paralld capacitor.					
	3.Stand-by power consumption is measured at dimmable off condition.					
	4.The power supply is considers as a compent that wil be operated in combination with final equipment.Since EMC performance will be affected by the complete installation the final equipment manfactures must re-quality EMC directive on the complete installation again.					
	5.When using the power supply, first make sure that the power output and the load are properly connected, and then turn on the AC.Do not connect the AC power before connecting the LED light load.					
	6.If this driver used for led lighting, the TC should not higher than TC showed on the driver when the lighting working on the highest rated working tempreture.					

ELECTRICAL SPECIFICATION

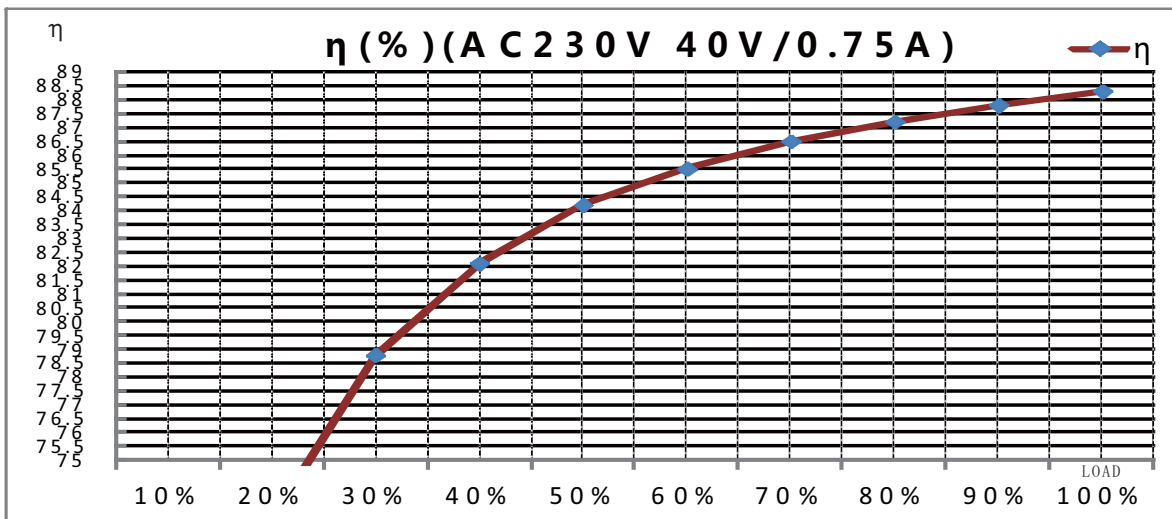
MODEL		BK-BHL060-1650AM	BK-BHL060-1300BM	BK-BHL070-2000AM	BK-BHL070-1500BM		
OUTPUT	DC CURRENT	1.2-1.65A	0.85-1.3A	1.3-2.0A	1.05-1.5A		
	DC VOLTAGE RANGE	3-42V	3-54V	3-42V	3-54V		
	RATED POWER	60W Max.	60W Max.	70.3W Max.	70.2W Max.		
	Voltage RIPPLE & NOISE <small>Note.2</small>	≤350mV(Vpp)	≤350mV(Vpp)	≤300mV(Vpp)	≤350mV(Vpp)		
	Current RIPPLE & NOISE <small>Note.2</small>	≤50mA(RMS)	≤50mA(RMS)	≤80mA(RMS)	≤80mA(RMS)		
	CONSTANT CURRENT ADJ. RANGE	DIP S.W	DIP S.W	DIP S.W	DIP S.W		
	CONSTANT CURRENT ACCURACY	±5%	±5%	±5%	±5%		
	LINE REGULATION	±5%	±5%	±5%	±5%		
	LOAD REGULATION	±5%	±5%	±5%	±5%		
	Dimming port output current	< 1 mA(When DIM + is shorted with DIM -)					
INPUT	RATED VOLTAGE	200-240VAC,DC200-240V					
	AC VOLTAGE RANGE	180-264VAC					
	DC VOLTAGE RANGE	180-264VDC					
	FREQUENCY RANGE	47-63Hz					
	POWER FACTOR	PF>0.95 @ 230VAC/full load,PF>0.90 @ 230VAC/>50% load					
	TOTAL HARMONIC DISTORTION	THD<10% @ 230VAC/full load,THD<15% @ 230VAC/>50% load					
	EFFICIENCY (Typ.)	90%	90%	89%	90%		
	STANDBY POWER <small>Note.3</small>	<0.5W @ 230Vac					
	INPUT CURRENT	<0.45A @ 200Vac		<0.5A @ 200Vac			
	INRUSH CURRENT (Cold start 230Vac)	<30A, <0.12A ² S(Twidth=130us measured at 50% Ipeak)		<30A, <0.14A ² S(Twidth=158us measured at 50% Ipeak)			
	Max. No. of PSUs on 16A circuit breaker(230VAC)	26 units(type B); 31units(type C).		25 units(type B); 27units(type C).			
	TURN ON DELAY	<0.5S @ 230Vac					
PROTECTION	SHOTR CIRCUIT	Hiccup,recovers automatically after fult condition is removed					
	OVER VOLTAGE	50V	63V	50V	63V		
	OVER TEMPERATURE	Constant current limiting,recovers automatically after fult condition is removed					
ENVIRONMENT	OPERATION TEMPERATURE	- 20---60°C					
	OPERATION HUMIDITY	10---90% RH non-condensing					
	STORAGR TEMPERATURE/HUMIDITY	- 40---80 °C 5---95% RH					
	IP CLASS	IP20					
	VIBRATION	10~500Hz,5G 12min./1cycle,period for 72min. each along X,Y,Z axes					
	Tc	Tc=90°C (Ta=60°C)					
MTBF	500000H,MIL-HDBK-217F(25°C)						
EMC	EMC EMISSION	Compliance to EN55015,GB17743,EN61000-3-2 Class C(≥50% load),EN61000-3-3					
	EMC IMMUNITY <small>Note.4</small>	Compliance to EN61000-4-2,3,4,5,6,8,1, EN61547, surge : L-N 2.5KV,L/N-PE 2.5KV.					
SAFETY	SAFETY STANDARDS	EN61347-1/2-13,GB19510.1/14 EN62384,IEEE1789					
	DALI STANDARDS	N/A					
	CERTIFICATE	Conform to ENEC CE, SAA,RCM					
	WITHSTAND VOLTAGE	I/P-0/P: 3750VAC, I/P-FG: 1750VAC, 0/P-FG: 500VAC.					
	LEAKAGE CURRENT	<0.75mA @ 230Vac					
	Isolation resistance	I/P-0/P, I/P-FG, 0/P-FG: 100MΩ /500Vdc/25°C/70% RH					
PACKAGE	DIMENSION	L355*W30.2*H20.6mm		L355*W36.3*H23mm			
	Carton	L415*W330*H190mm		L440*W375*H222mm			
	SINGLE WEIGHT	0.305 Kg		0.355 Kg			
	PACKING	35PCS/CTN		35PCS/CTN			
	NET WEIGHT	10.7KG/CTN		12.43KG/CTN			
	GROSS WEIGHT	12.1KG/CTN		14KG/CTN			
	Environmental protection	RoHS					
	INPUT CONNECTION	PCB connector/3.5mm/6PIN/orange*2+gray*2/0.75mm-1.5mm^2					
	OUTPUT CONNECTION	PCB connector/3.5mm/4PIN/black+green+black+red/0.5-1.5mm^2					
NOTE	1.All parameter are measured at 230VAC input,rated load and 25°C of ambient temperature.						
	2.Ripple & Noise are measured at 20MHz of bandwith by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF paralld capacitor.						
	3.Stand-by power consumption is measured at dimmable off condition.						
	4.The power supply is considers as a compent that wil be operated in combination with final equipment.Since EMC performance will be affected by the complete installation the final equipment manufactures must re-quality EMC directive on the complete installation again.						
	5.When using the power supply, first make sure that the power output and the load are properly connected, and then turn on the AC. Do not connect the AC power before connecting the LED light load.						
	6.If this driver used for led lighting, the TC should not higher than TC showed on the driver when the lighting working on the highest rated working tempreture.						

BK-BHL030-0750AM Electrical characteristics

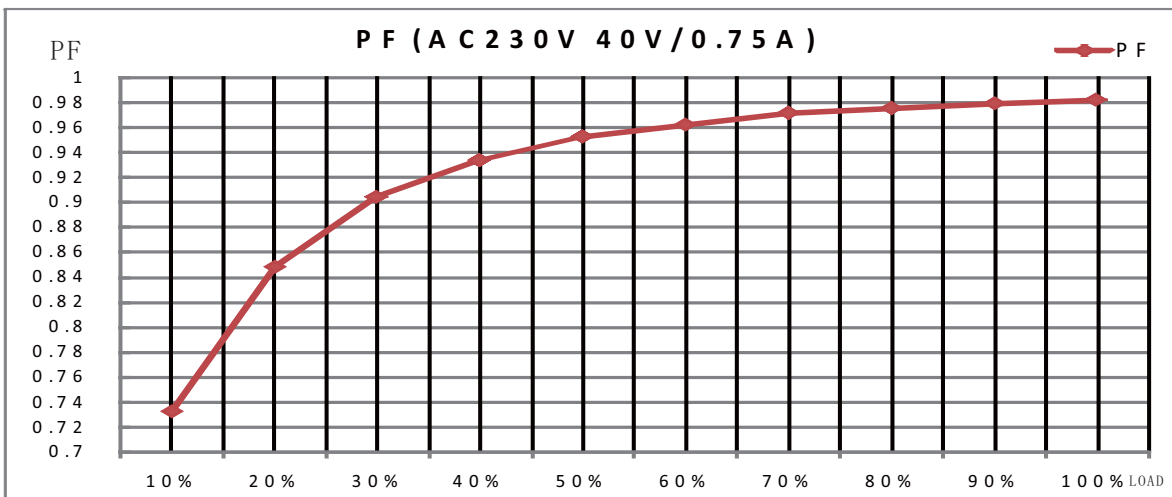
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■ EFFICIENCY vs LOAD Characteristic curve

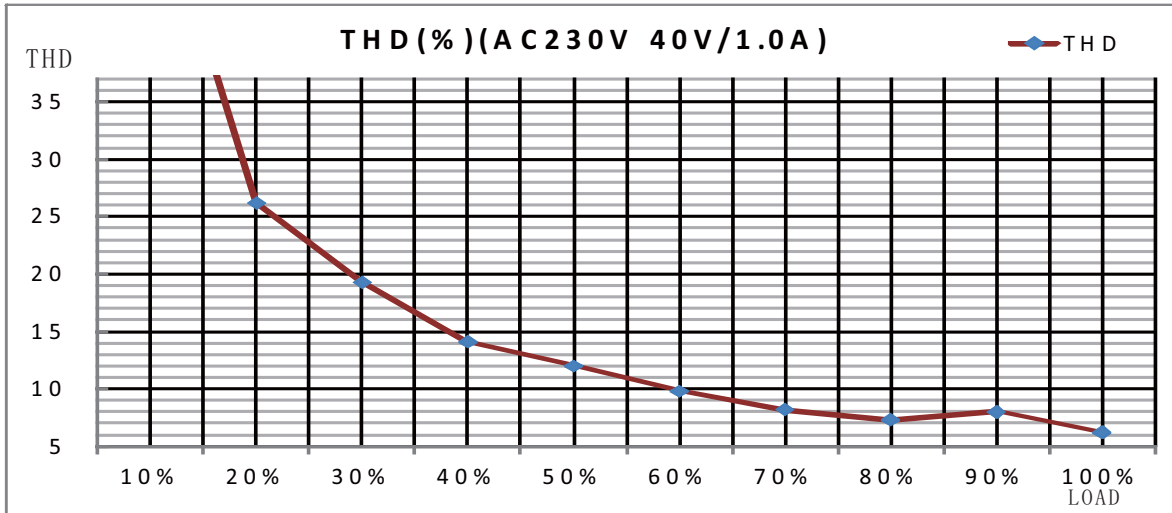


■ Power Factor vs LOAD Characteristic curve

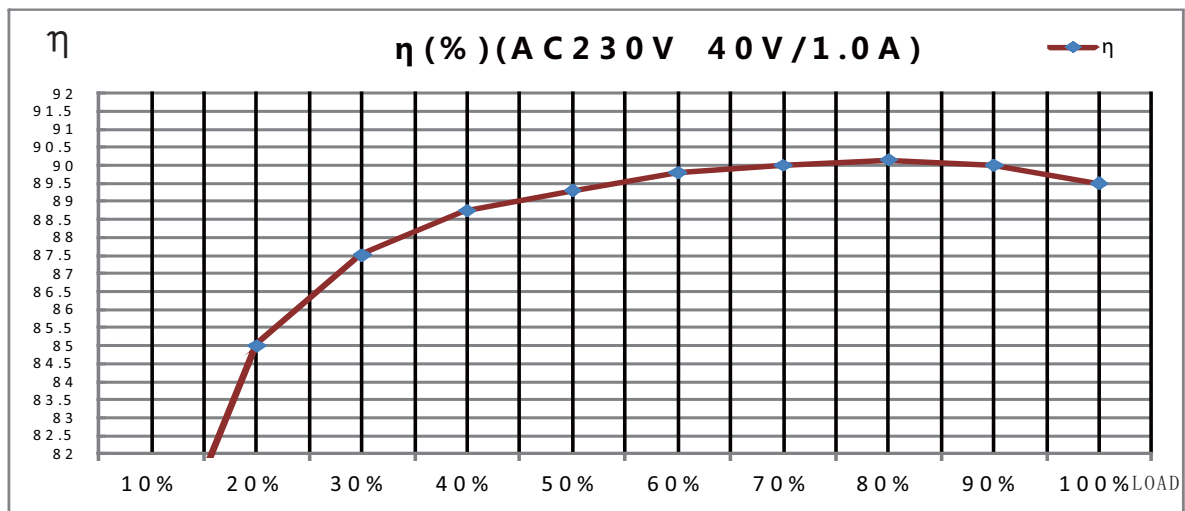


BK-BHL040-1000AM Electrical characteristics

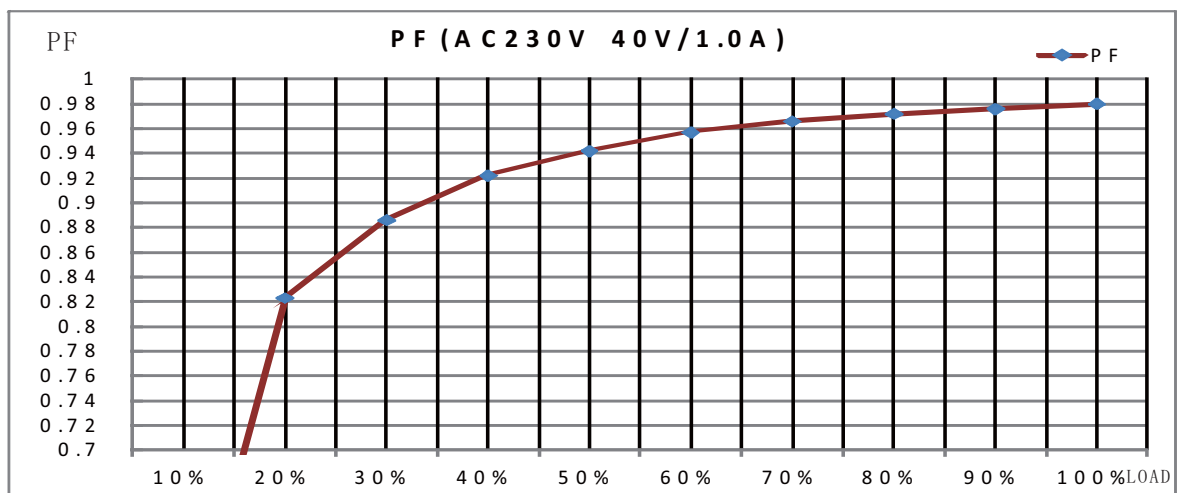
■ Total Harmonic Distortion vs LOAD Characteristic curve



■ EFFICIENCY vs LOAD Characteristic curve

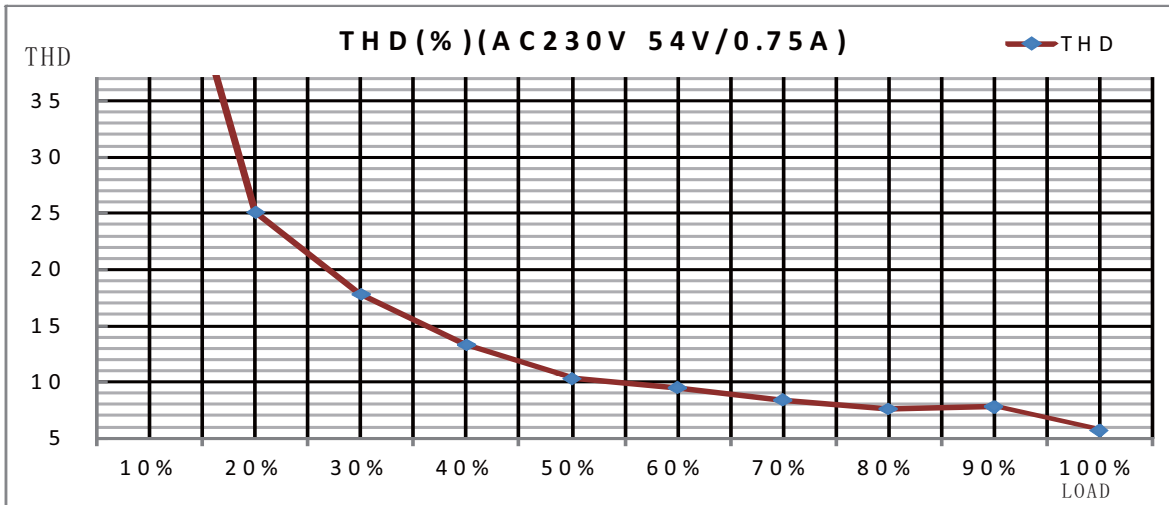


■ Power Factor vs LOAD Characteristic curve

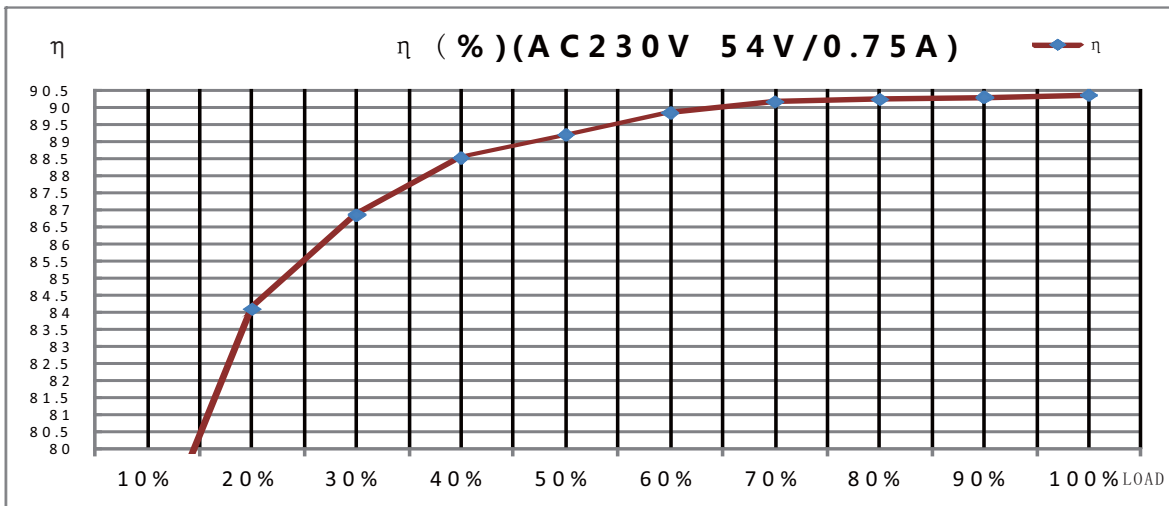


BK-BHL040-0750BM Electrical characteristics

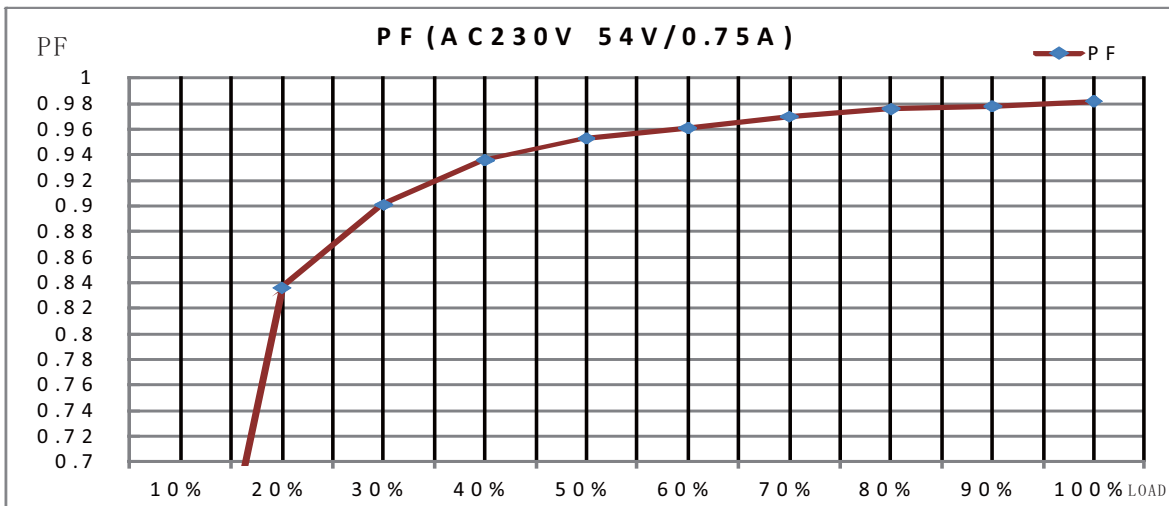
■ Total Harmonic Distortion vs LOAD Characteristic curve



■ EFFICIENCY vs LOAD Characteristic curve

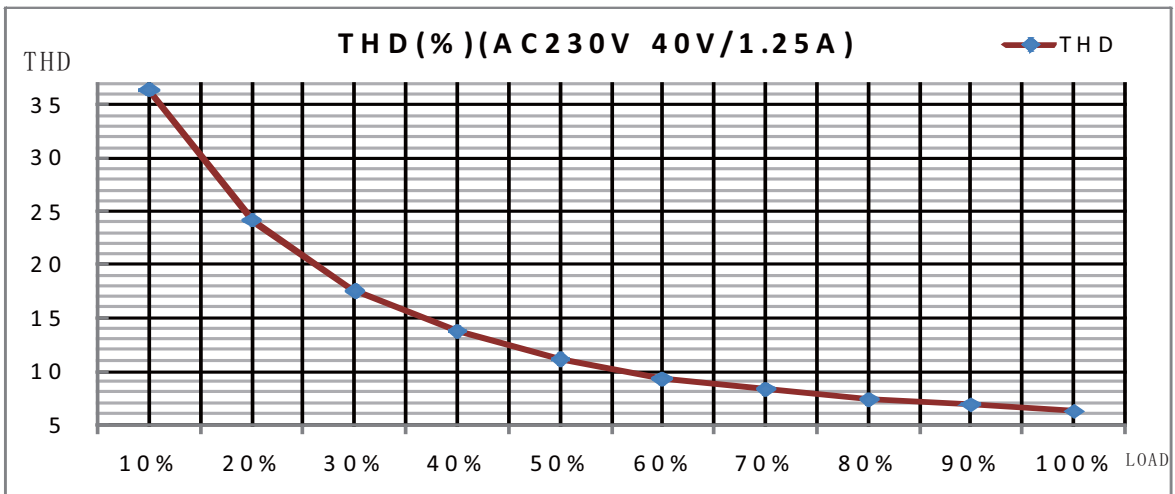


■ Power Factor vs LOAD Characteristic curve

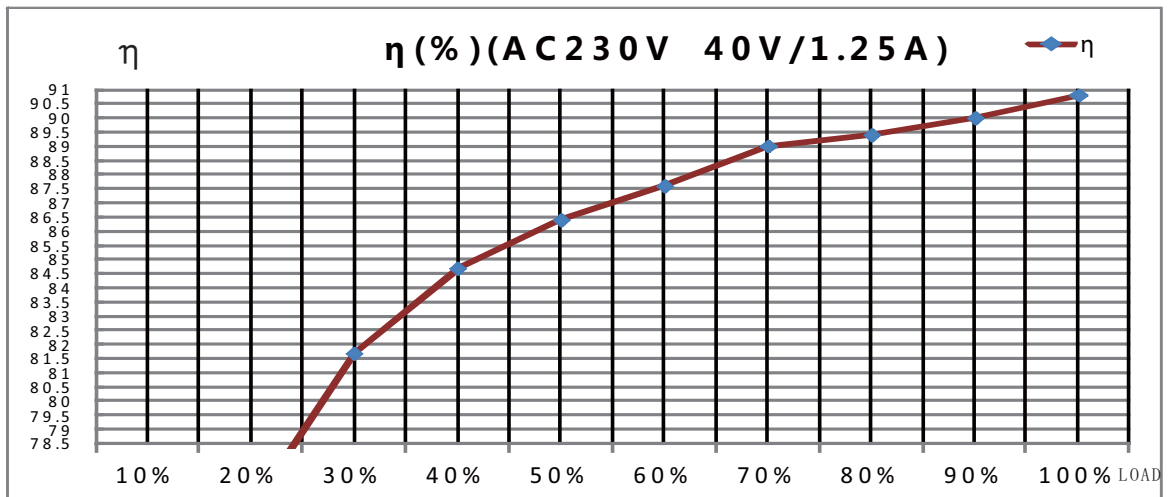


BK-BHL050-1250AM Electrical characteristics

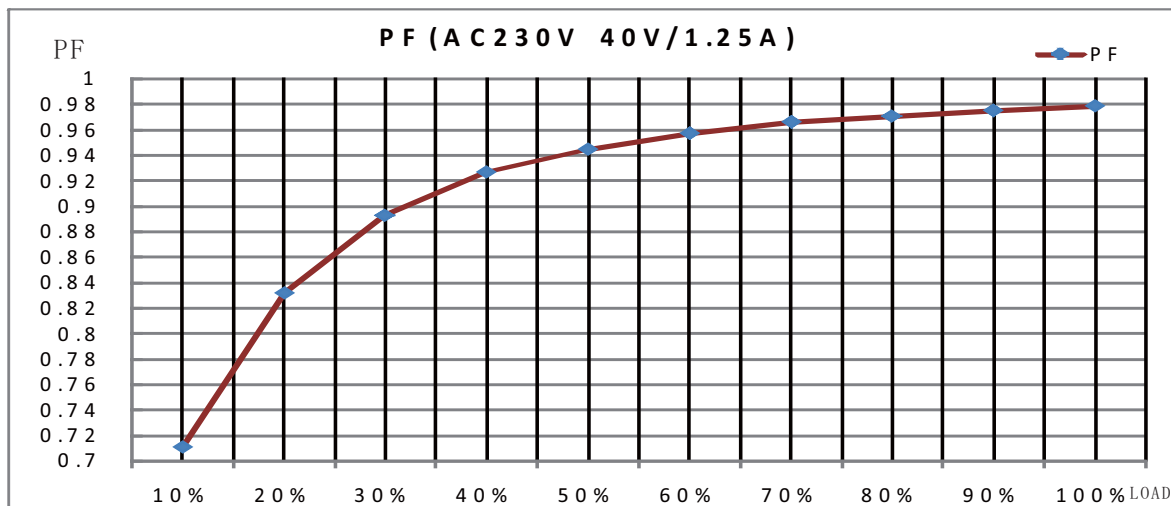
■ Total Harmonic Distortion vs LOAD Characteristic curve



■ EFFICIENCY vs LOAD Characteristic curve

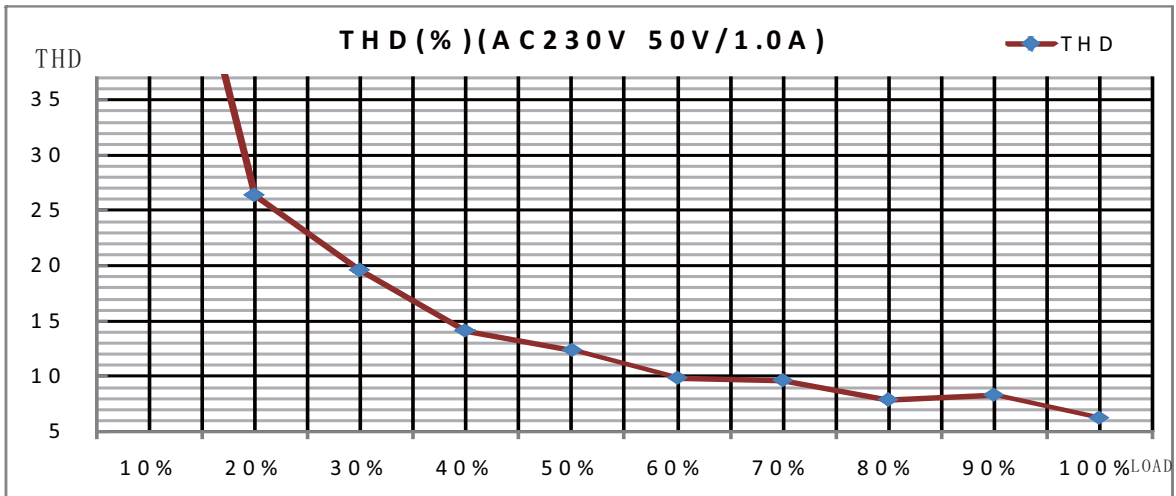


■ Power Factor vs LOAD Characteristic curve

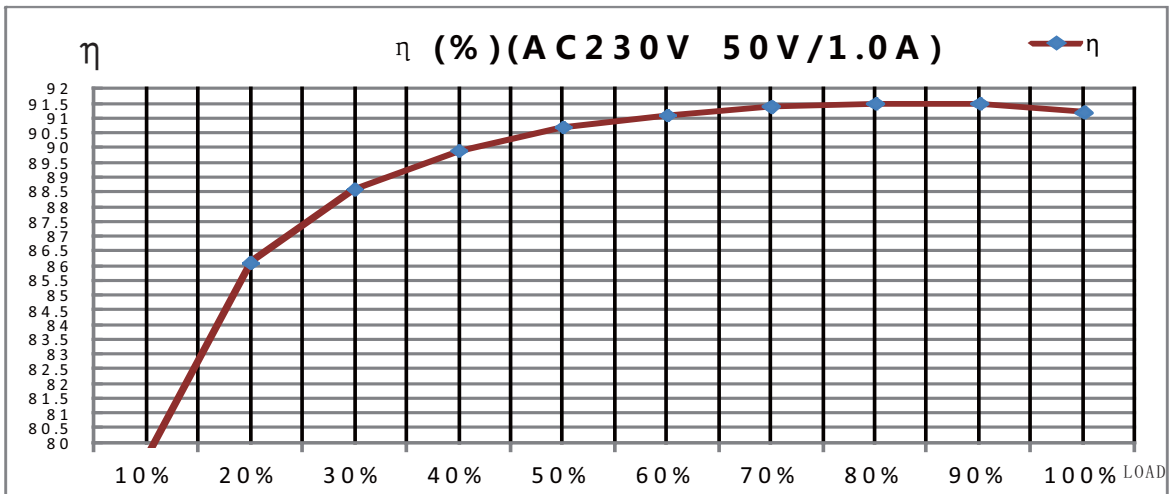


BK-BHL050-1000BM Electrical characteristics

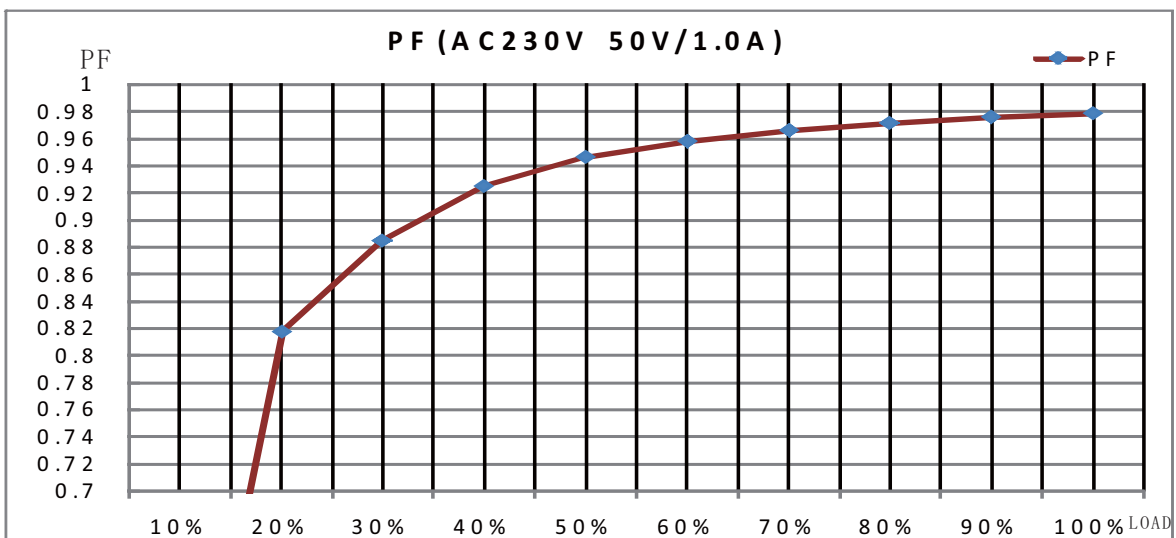
■ Total Harmonic Distortion vs LOAD Characteristic curve



■ EFFICIENCY vs LOAD Characteristic curve

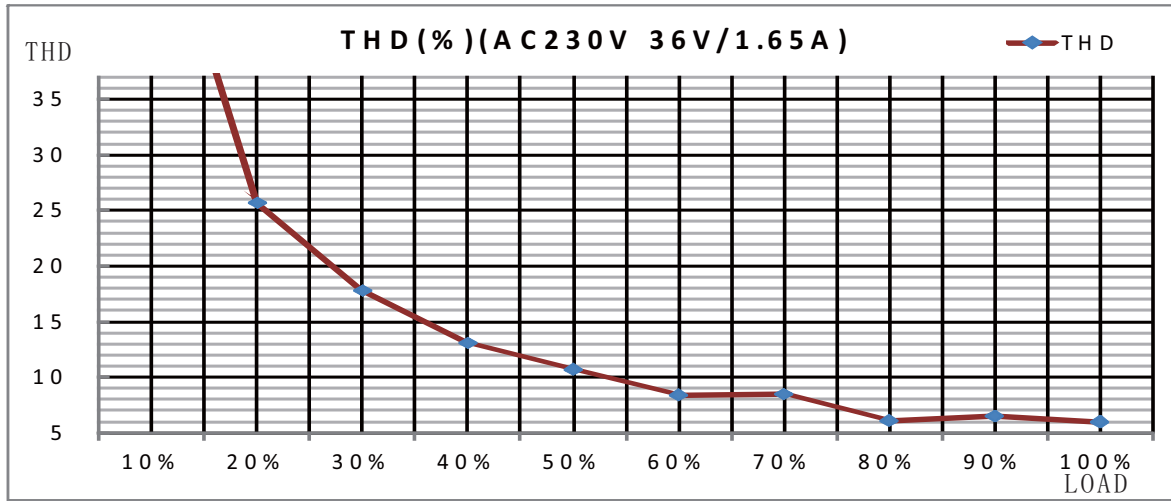


■ Power Factor vs LOAD Characteristic curve

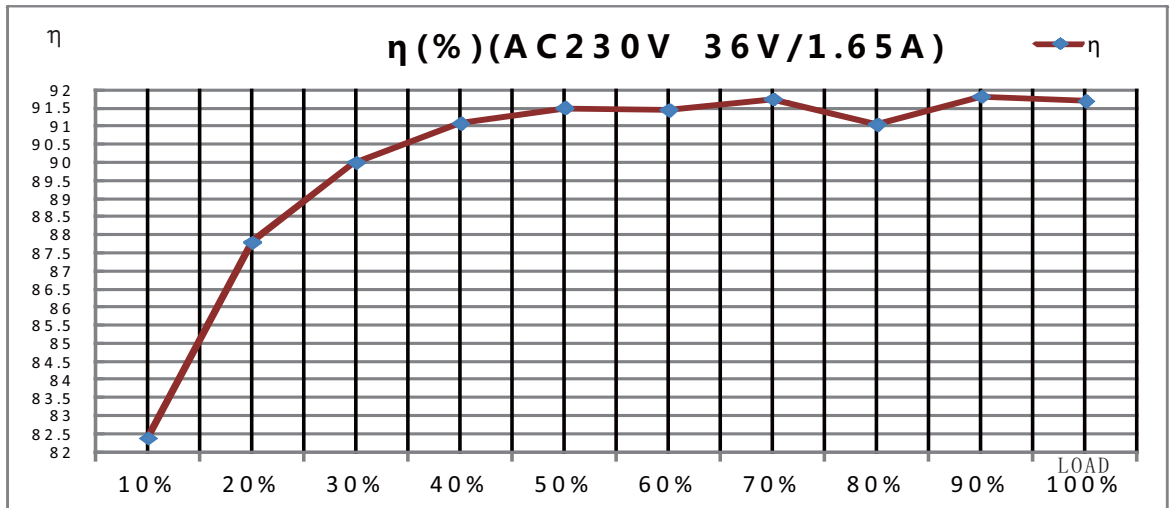


BK-BHL060-1650AM Electrical characteristics

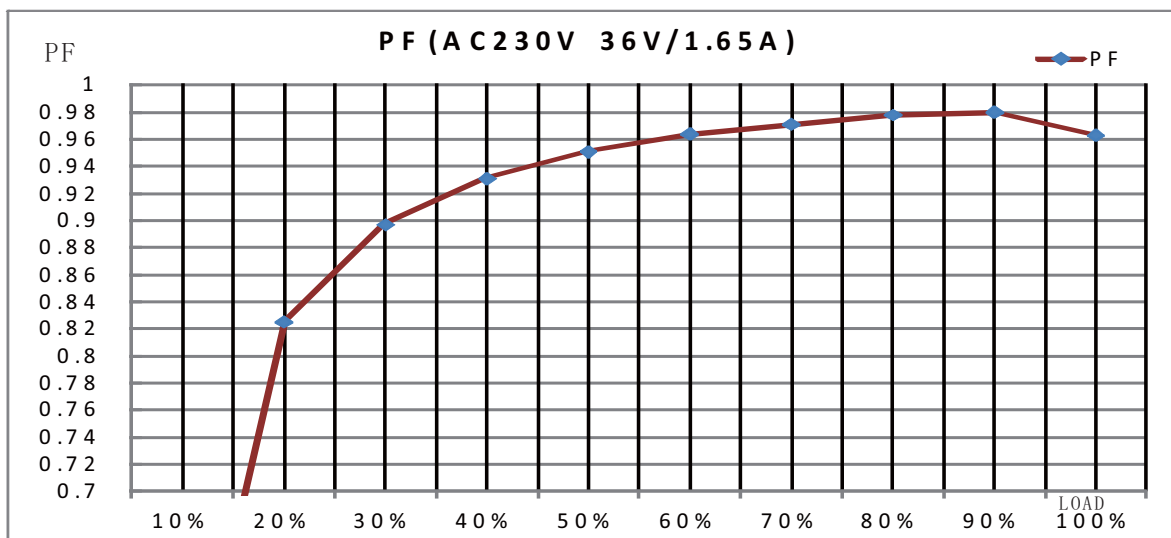
■ Total Harmonic Distortion vs LOAD Characteristic curve



■ EFFICIENCY vs LOAD Characteristic curve

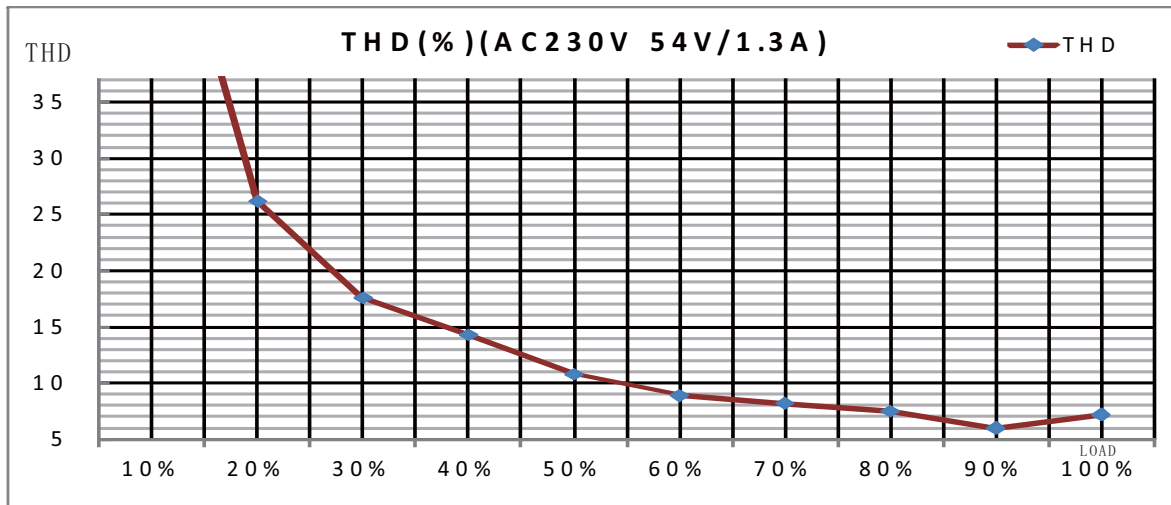


■ Power Factor vs LOAD Characteristic curve

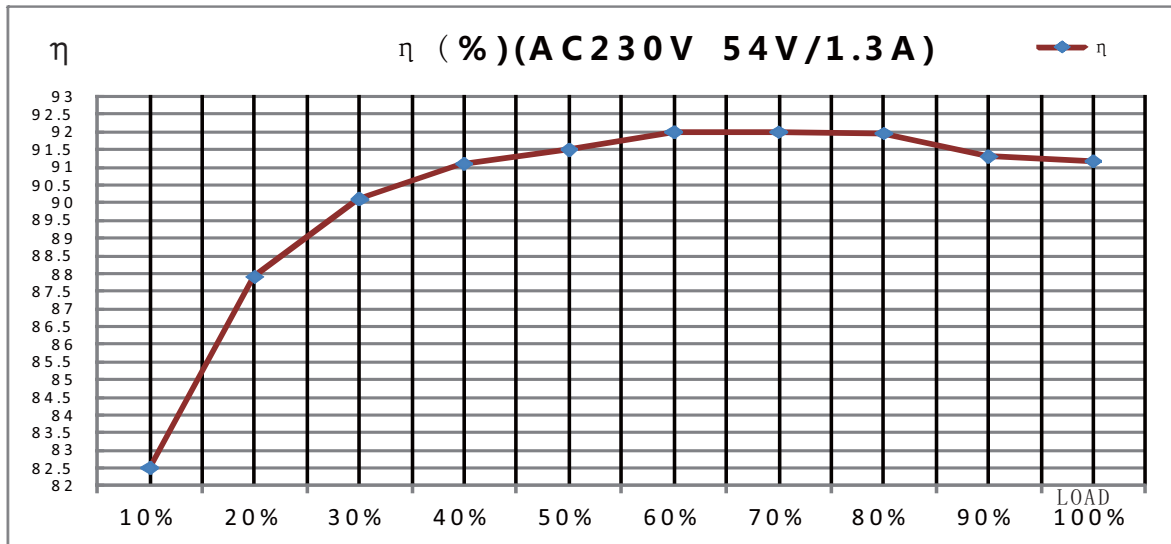


BK-BHL060-1300BM Electrical characteristics

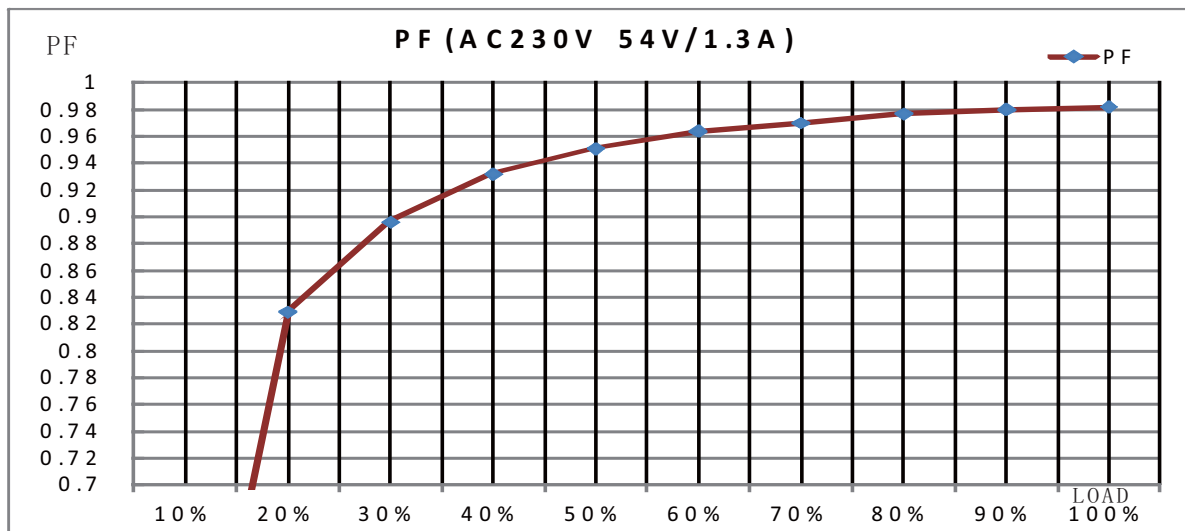
■ Total Harmonic Distortion vs LOAD Characteristic curve



■ EFFICIENCY vs LOAD Characteristic curve

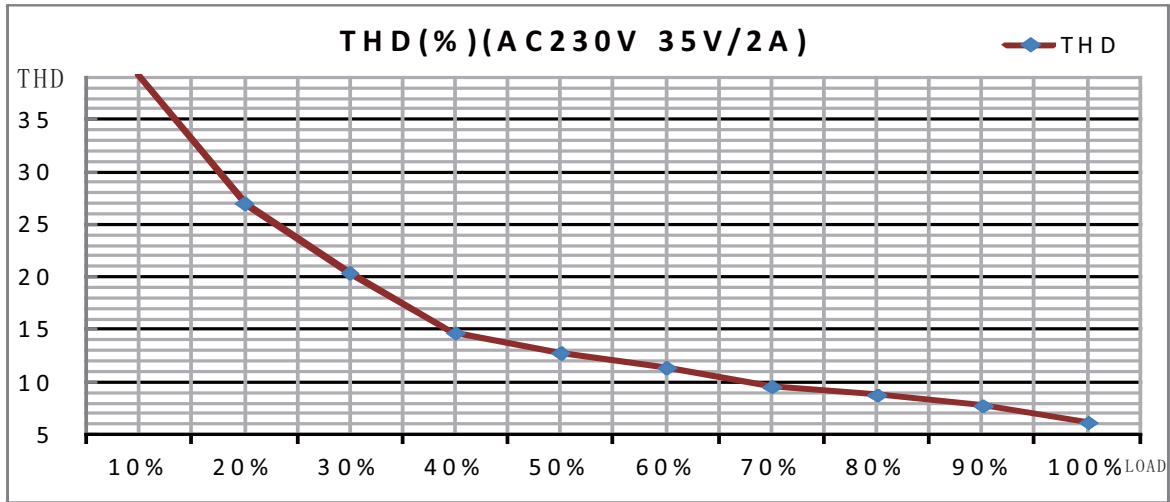


■ Power Factor vs LOAD Characteristic curve

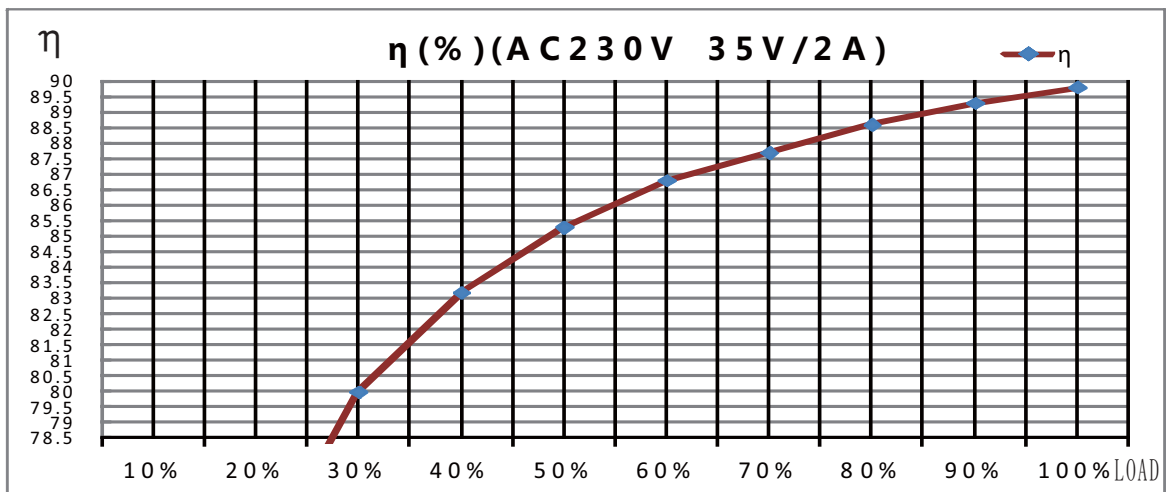


BK-BHL070-2000AM Electrical characteristics

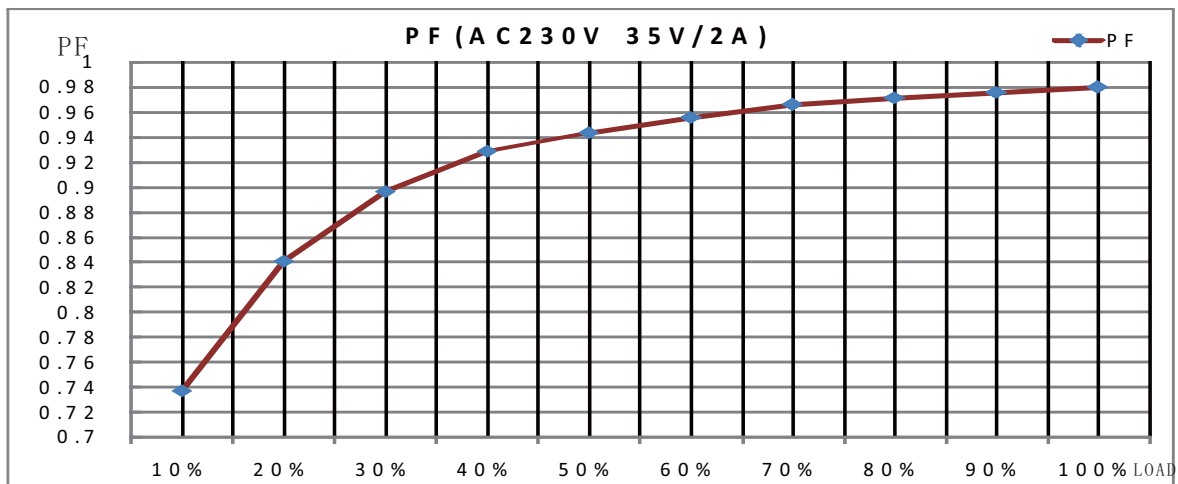
■ Total Harmonic Distortion vs LOAD Characteristic curve



■ EFFICIENCY vs LOAD Characteristic curve

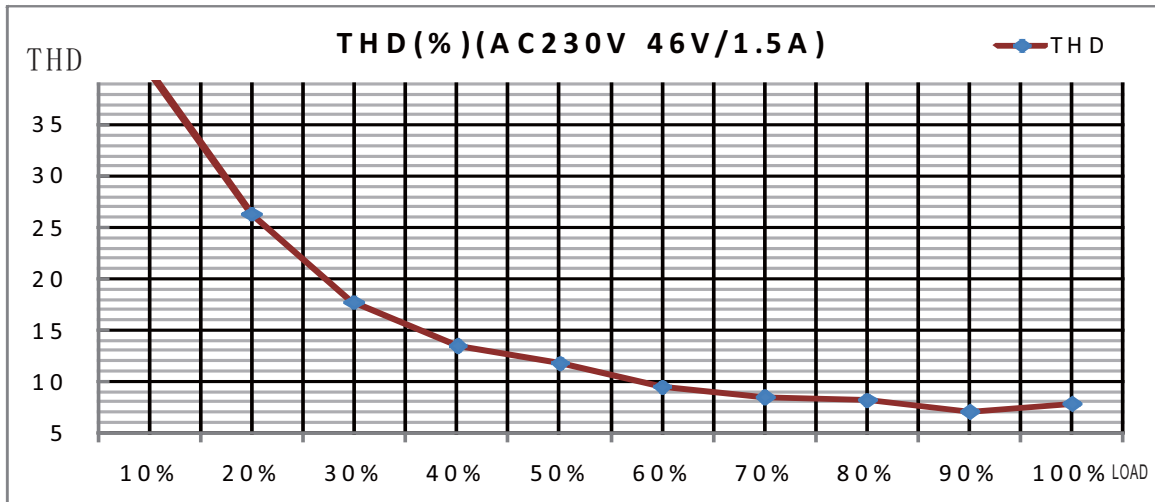


■ Power Factor vs LOAD Characteristic curve

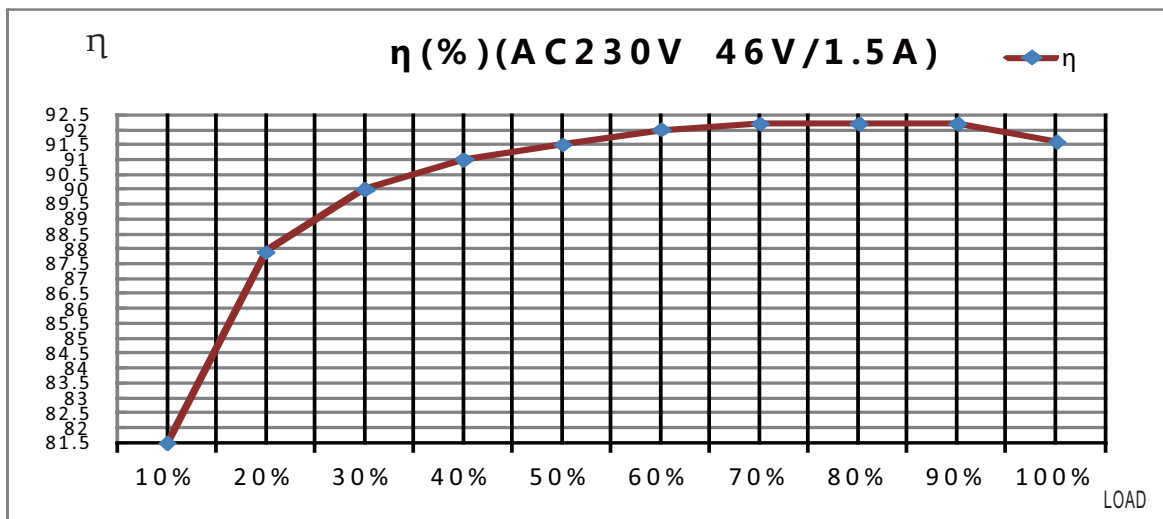


BK-BHL070-1500BM Electrical characteristics

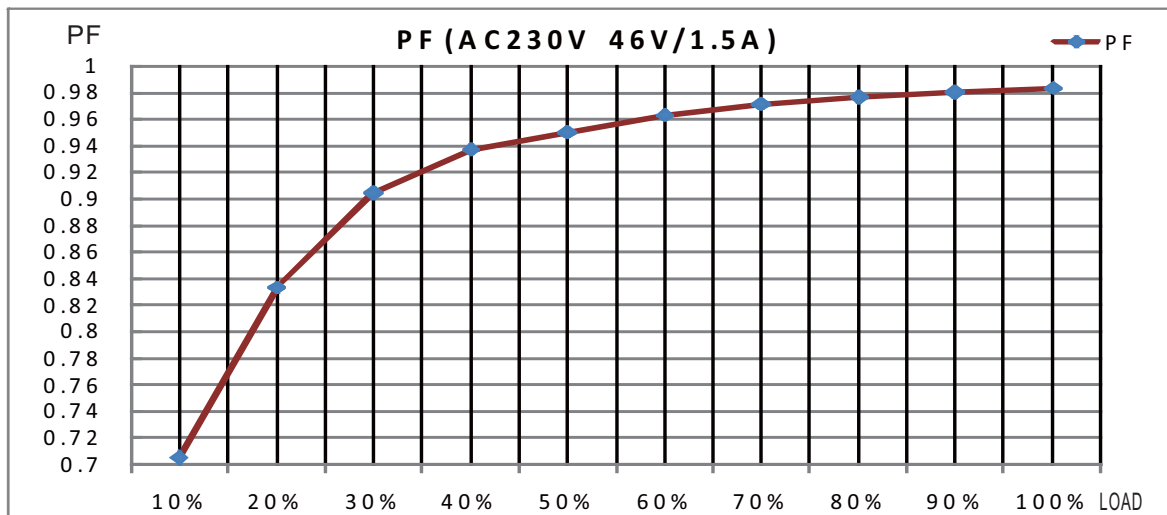
■ Total Harmonic Distortion vs LOAD Characteristic curve



■ EFFICIENCY vs LOAD Characteristic curve



■ Power Factor vs LOAD Characteristic curve



DIP S.W Select output current table

■ BK-BHL030-0750AM

Pin(W) typ.	Output			Switch			
	Prated(W)	Irated(mA)	Voltage(Vdc)	1	2	3	4
15.0	12.6	300	3-42	—	ON	ON	ON
17.0	14.7	350	3-42	ON	—	ON	ON
19.5	16.8	400	3-42	—	—	ON	ON
22.0	18.9	450	3-42	—	ON	—	ON
24.0	21.0	500	3-42	—	—	—	ON
26.5	23.1	550	3-42	ON	ON	ON	—
29.0	25.2	600	3-42	—	—	ON	—
31.0	27.3	650	3-42	—	ON	—	—
34.5	29.4	700	3-42	ON	—	—	—
34.5	30.0	750	3-40	—	—	—	—

Before use, always check dipswitch settings!

Remark: “—” this channel is off.

(factory set default) ■

■ BK-BHL040-1000AM

Pin(W) typ.	Output			Switch			
	Prated(W)	Irated(mA)	Voltage(Vdc)	1	2	3	4
27.0	23.1	550	3-42	—	ON	ON	ON
29.0	25.2	600	3-42	ON	—	ON	ON
31.5	27.3	650	3-42	—	—	ON	ON
33.5	29.4	700	3-42	—	ON	—	ON
36.0	31.5	750	3-42	—	—	—	ON
38.5	33.6	800	3-42	ON	ON	ON	—
41.0	35.7	850	3-42	—	—	ON	—
43.0	37.8	900	3-42	—	ON	—	—
46.0	39.9	950	3-42	ON	—	—	—
46.0	40.0	1000	3-40	—	—	—	—

Before use, always check dipswitch settings!

■ BK-BHL040-0750BM

Pin(W) typ.	Output			Switch			
	Prated(W)	Irated(mA)	Voltage(Vdc)	1	2	3	4
19.0	16.2	300	3-54	—	ON	ON	ON
22.0	18.9	350	3-54	ON	—	ON	ON
25.0	21.6	400	3-54	—	—	ON	ON
28.0	24.3	450	3-54	—	ON	—	ON
31.0	27.0	500	3-54	—	—	—	ON
34.0	29.7	550	3-54	ON	ON	ON	—
37.0	32.4	600	3-54	—	—	ON	—
40.0	35.1	650	3-54	—	ON	—	—
43.0	37.8	700	3-54	ON	—	—	—
46.0	40.5	750	3-54	—	—	—	—

Before use, always check dipswitch settings!

■ BK-BHL050-1250AM

Pin(W) typ.	Output			Switch			
	Prated(W)	Irated(mA)	Voltage(Vdc)	1	2	3	4
38	33.6	800	3-42	—	ON	ON	ON
41	35.7	850	3-42	ON	—	ON	ON
43	37.8	900	3-42	—	—	ON	ON
46	39.9	950	3-42	—	ON	—	ON
48	42.0	1000	3-42	—	—	—	ON
50	44.1	1050	3-42	ON	ON	ON	—
53	46.2	1100	3-42	—	—	ON	—
55	48.3	1150	3-42	—	ON	—	—
57	49.8	1200	3-41.5	ON	—	—	—
57	50.0	1250	3-40	—	—	—	—

Before use, always check dipswitch settings!

■ BK-BHL050-1000BM

Pin(W) typ.	Output			Switch			
	Prated(W)	Irated(mA)	Voltage(Vdc)	1	2	3	4
33.5	29.7	550	3-54	—	ON	ON	ON
36.5	32.4	600	3-54	ON	—	ON	ON
39.5	35.1	650	3-54	—	—	ON	ON
42.5	37.8	700	3-54	—	ON	—	ON
45.5	40.5	750	3-54	—	—	—	ON
48.5	43.2	800	3-54	ON	ON	ON	—
51.5	45.9	850	3-54	—	—	ON	—
54.0	48.6	900	3-54	—	ON	—	—
55.0	49.4	950	3-52	ON	—	—	—
55.5	50.0	1000	3-50	—	—	—	—

Before use, always check dipswitch settings!

■ BK-BHL060-1650AM

Pin(W) typ.	Output			Switch			
	Prated(W)	Irated(mA)	Voltage(Vdc)	1	2	3	4
57.5	50.4	1200	3-42.0	—	ON	ON	ON
59.5	52.5	1250	3-42.0	ON	—	ON	ON
61.5	54.6	1300	3-42.0	—	—	ON	ON
64.0	56.7	1350	3-42.0	—	ON	—	ON
66.5	58.8	1400	3-42.0	—	—	—	ON
67.5	59.5	1450	3-41.0	ON	ON	ON	—
68.0	60.0	1500	3-40.0	—	—	ON	—
68.0	59.7	1550	3-38.5	—	ON	—	—
68.0	60.0	1600	3-37.5	ON	—	—	—
67.5	59.4	1650	3-36.0	—	—	—	—

Before use, always check dipswitch settings!

■ BK-BHL060-1300BM

Pin(W) typ.	Output			Switch			
	Prated(W)	Irated(mA)	Voltage(Vdc)	1	2	3	4
52.0	45.9	850	3-54.0	—	ON	ON	ON
55.0	48.6	900	3-54.0	ON	—	ON	ON
58.0	51.3	950	3-54.0	—	—	ON	ON
61.0	54.0	1000	3-54.0	—	ON	—	ON
64.0	56.7	1050	3-54.0	—	—	—	ON
67.0	59.4	1100	3-54.0	ON	ON	ON	—
67.5	59.8	1150	3-52.0	—	—	ON	—
68.0	60.0	1200	3-50.0	—	ON	—	—
68.0	60.0	1250	3-48.0	ON	—	—	—
67.5	59.8	1300	3-46.0	—	—	—	—

Before use, always check dipswitch settings!

■ BK-BHL070-2000AM

Pin(W) typ.	Output			Switch			
	Prated(w)	Irated(mA)	Voltage(Vdc)	1	2	3	4
63.0	54.6	1300	3-42	—	ON	ON	ON
68.0	58.8	1400	3-42	ON	—	ON	ON
70.0	60.9	1450	3-42	—	—	ON	ON
72.0	63.0	1500	3-42	—	ON	—	ON
74.0	65.1	1550	3-42	—	—	—	ON
79.0	69.3	1650	3-42	ON	ON	ON	—
79.0	69.7	1700	3-41	—	—	ON	—
80.0	70.2	1800	3-39	—	ON	—	—
80.0	70.3	1900	3-37	ON	—	—	—
80.0	70.0	2000	3-35	—	—	—	—

Before use, always check dipswitch settings!

■ BK-BHL070-1500BM

Pin(W) typ.	Output			Switch			
	Prated(w)	Irated(mA)	Voltage(Vdc)	1	2	3	4
63.0	56.7	1050	3-54	—	ON	ON	ON
66.0	59.4	1100	3-54	ON	—	ON	ON
68.5	62.1	1150	3-54	—	—	ON	ON
71.5	64.8	1200	3-54	—	ON	—	ON
74.5	67.5	1250	3-54	—	—	—	ON
78.0	70.2	1300	3-54	ON	ON	ON	—
78.0	70.2	1350	3-52	—	—	ON	—
77.5	70.0	1400	3-50	—	ON	—	—
77.0	69.6	1450	3-48	ON	—	—	—
76.0	69.0	1500	3-46	—	—	—	—

Before use, always check dipswitch settings!



BK-BHL030-0750AM

INPUT
AC-L
AC-N
NC
PFI wire prep. 0.75-1.5mm²

Dimmable Constant Current LED Driver
For LED modules use only
MODEL: BK-BHL030-0750AM
INPUT: 200-240V ~ 50/60Hz 0.25A Max. $\lambda: 0.95$
OUTPUT: 50V $\overline{\text{M}}$ Max. 30W Max.
Other ratings see selection sheet

OUTPUT
LED+
LED-
DIM+
DIM-
SEC wire prep. 0.5-1.5mm²

MADE IN CHINA

BK-BHL040-1000AM

INPUT
AC-L
AC-N
NC
PFI wire prep. 0.75-1.5mm²

Dimmable Constant Current LED Driver
For LED modules use only
MODEL: BK-BHL040-1000AM
INPUT: 200-240V ~ 50/60Hz 0.3A Max. $\lambda: 0.95$
OUTPUT: 50V $\overline{\text{M}}$ Max. 40W Max.
Other ratings see selection sheet

OUTPUT
LED+
LED-
DIM+
DIM-
SEC wire prep. 0.5-1.5mm²

MADE IN CHINA

BK-BHL040-0750BM

INPUT
AC-L
AC-N
NC
PFI wire prep. 0.75-1.5mm²

Dimmable Constant Current LED Driver
For LED modules use only
MODEL: BK-BHL040-0750BM
INPUT: 200-240V ~ 50/60Hz 0.3A Max. $\lambda: 0.95$
OUTPUT: 63V $\overline{\text{M}}$ Max. 40.5W Max.
Other ratings see selection sheet

OUTPUT
LED+
LED-
DIM+
DIM-
SEC wire prep. 0.5-1.5mm²

MADE IN CHINA

BK-BHL050-1250AM

INPUT
AC-L
AC-N
NC
PFI wire prep. 0.75-1.5mm²

Dimmable Constant Current LED Driver
For LED modules use only
MODEL: BK-BHL050-1250AM
INPUT: 200-240V ~ 50/60Hz 0.35A Max. $\lambda: 0.95$
OUTPUT: 50V $\overline{\text{M}}$ Max. 50W Max.
Other ratings see selection sheet

OUTPUT
LED+
LED-
DIM+
DIM-
SEC wire prep. 0.5-1.5mm²

MADE IN CHINA

BK-BHL050-1000BM

INPUT
AC-L
AC-N
NC
PFI wire prep. 0.75-1.5mm²

Dimmable Constant Current LED Driver
For LED modules use only
MODEL: BK-BHL050-1000BM
INPUT: 200-240V ~ 50/60Hz 0.35A Max. $\lambda: 0.95$
OUTPUT: 63V $\overline{\text{M}}$ Max. 50W Max.
Other ratings see selection sheet

OUTPUT
LED+
LED-
DIM+
DIM-
SEC wire prep. 0.5-1.5mm²

MADE IN CHINA

BK-BHL060-1650AM

INPUT
AC-L
AC-N
NC
PFI wire prep. 0.75-1.5mm²

Dimmable Constant Current LED Driver
For LED modules use only
MODEL: BK-BHL060-1650AM
INPUT: 200-240VAC 50/60Hz 0.4A Max. $\lambda: 0.95$
OUTPUT: 50V $\overline{\text{M}}$ Max. 60W Max.
Other ratings see selection sheet

OUTPUT
LED+
LED-
DIM+
DIM-
SEC wire prep. 0.5-1.5mm²

MADE IN CHINA

BK-BHL060-1300BM

INPUT
AC-L
AC-N
NC
PFI wire prep. 0.75-1.5mm²

Dimmable Constant Current LED Driver
For LED modules use only
MODEL: BK-BHL060-1300BM
INPUT: 200-240VAC 50/60Hz 0.4A Max. $\lambda: 0.95$
OUTPUT: 63V $\overline{\text{M}}$ Max. 60W Max.
Other ratings see selection sheet

OUTPUT
LED+
LED-
DIM+
DIM-
SEC wire prep. 0.5-1.5mm²

MADE IN CHINA

BK-BHL070-2000AM

INPUT
AC-L
AC-N
NC
PFI wire prep. 0.75-1.5mm²

Dimmable Constant Current LED Driver
For LED modules use only
MODEL: BK-BHL070-2000AM
INPUT: 200-240V ~ 50/60Hz 0.5A Max. $\lambda: 0.95$
OUTPUT: 50V $\overline{\text{M}}$ Max. 70.3W Max.
Other ratings see selection sheet

OUTPUT
LED+
LED-
DIM+
DIM-
SEC wire prep. 0.5-1.5mm²

MADE IN CHINA

BK-BHL070-1500BM

INPUT
AC-L
AC-N
NC
PFI wire prep. 0.75-1.5mm²

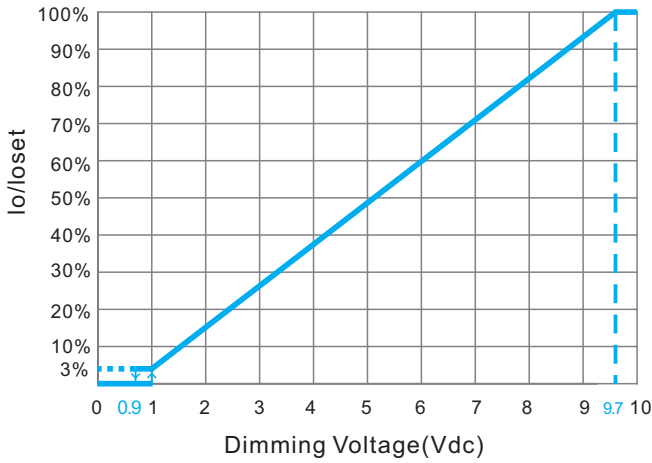
Dimmable Constant Current LED Driver
For LED modules use only
MODEL: BK-BHL070-1500BM
INPUT: 200-240V ~ 50/60Hz 0.5A Max. $\lambda: 0.95$
OUTPUT: 63V $\overline{\text{M}}$ Max. 70.2W Max.
Other ratings see selection sheet

OUTPUT
LED+
LED-
DIM+
DIM-
SEC wire prep. 0.5-1.5mm²

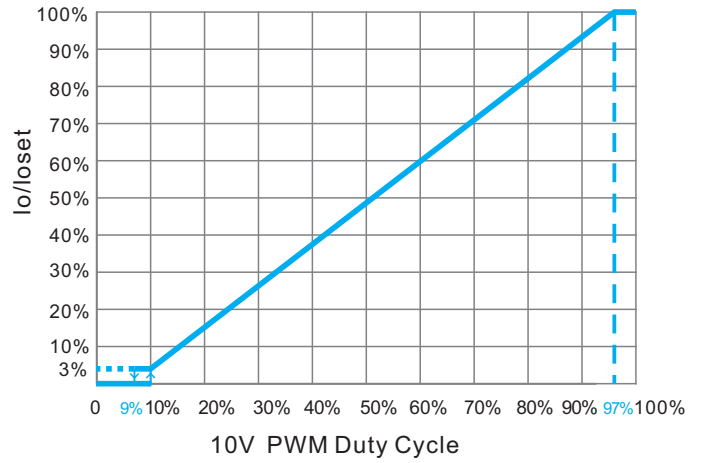
MADE IN CHINA

Dimming function

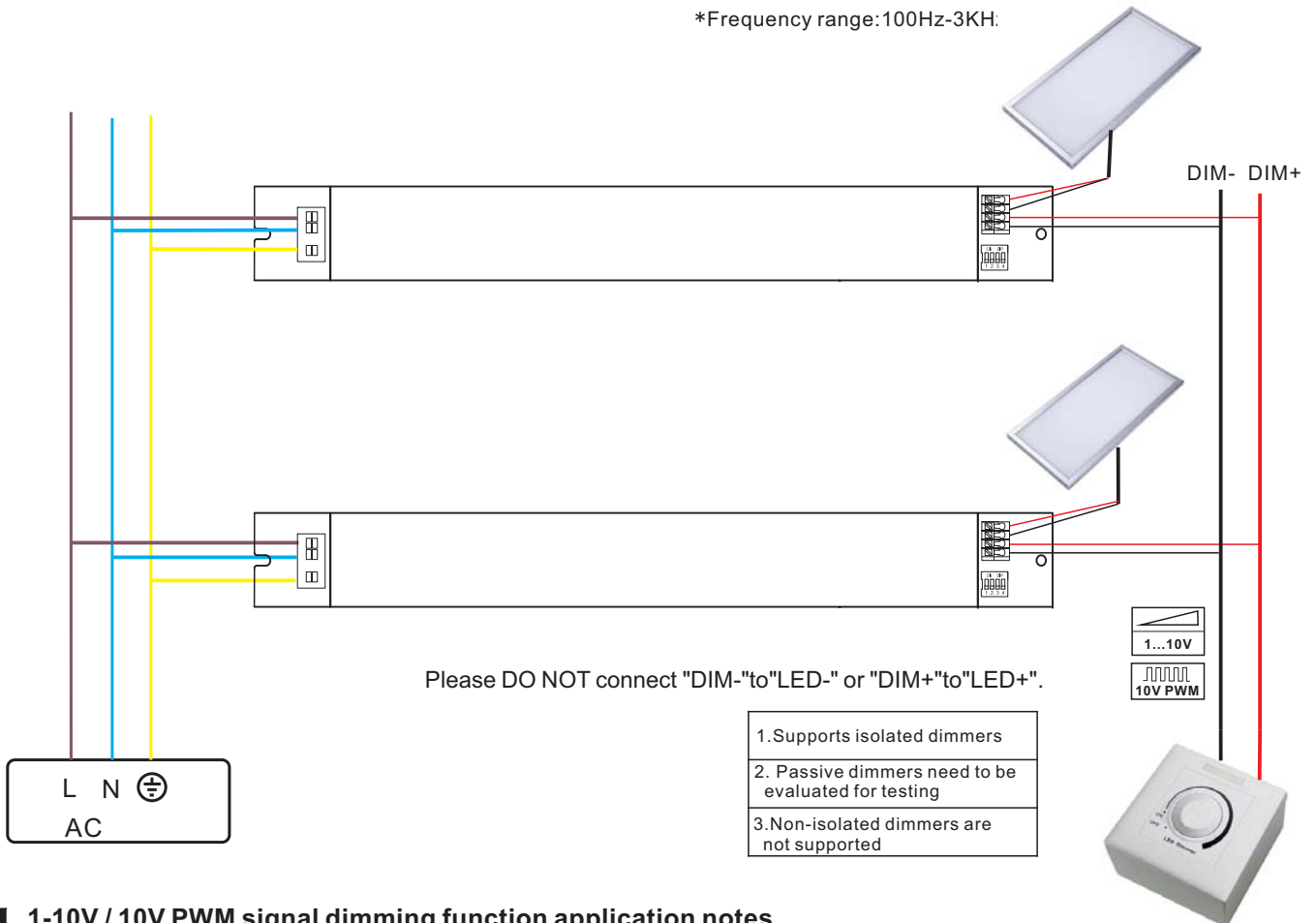
Io/IoSet vs. Dimming Voltage (Typical)



Io/IoSet vs. 10V PWM Duty Cycle (Typical)



*Frequency range: 100Hz-3KH.

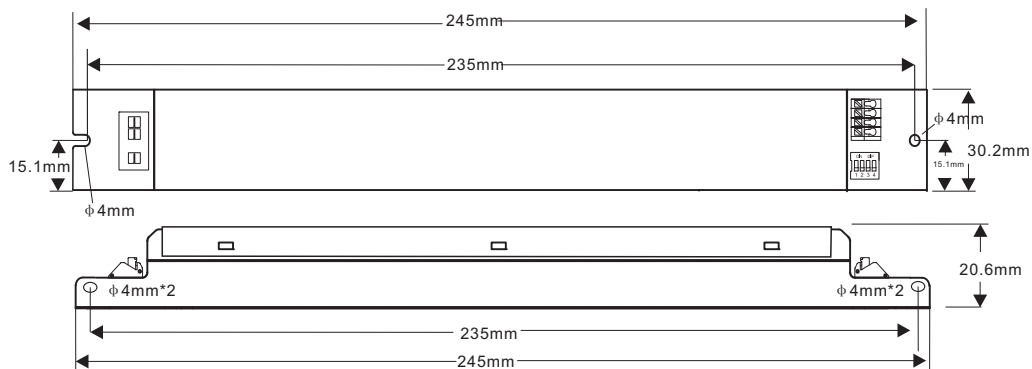


1-10V / 10V PWM signal dimming function application notes

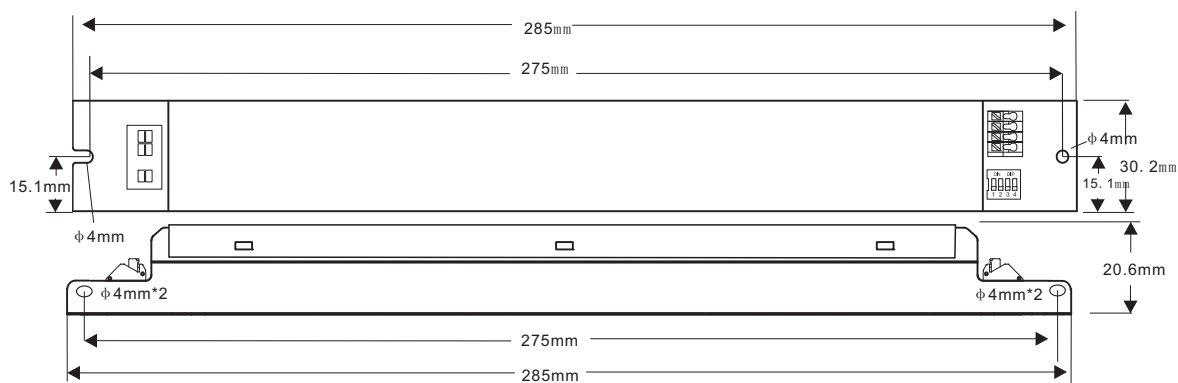
- Please carry out the sample or small batch test before the batch purchase.
- The number of drives and the length of wire connections are determined by the following factors:
 - Current output capacity of the dimmer.
 - The interface of the driver consumes current, this product is less than 1mA.
 - The size of the connection wire, and is recommended to use less than 20AWG;
 - Install environmental interference, avoid wiring with high voltage or interference source. If you can't avoid it, you can consider using shield wire.
- It is recommended that the number of drives and the dimming connection length are: ≤10 PCS, ≤20m.
- It is recommended to use a dimmer with active, isolated and strong output current capacity. This product cannot use a non-isolation dimmer.
- This product is compatible with various active or passive dimmers. If a few dimmers are not compatible, it is a normal case and can be contacted us for confirmation.

Mechanical Specification

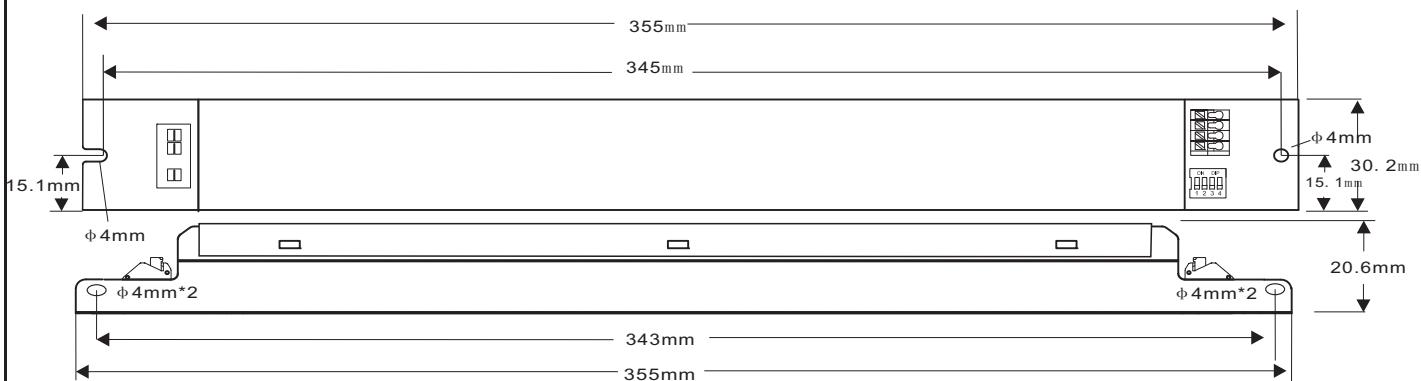
■ BK-BHL030



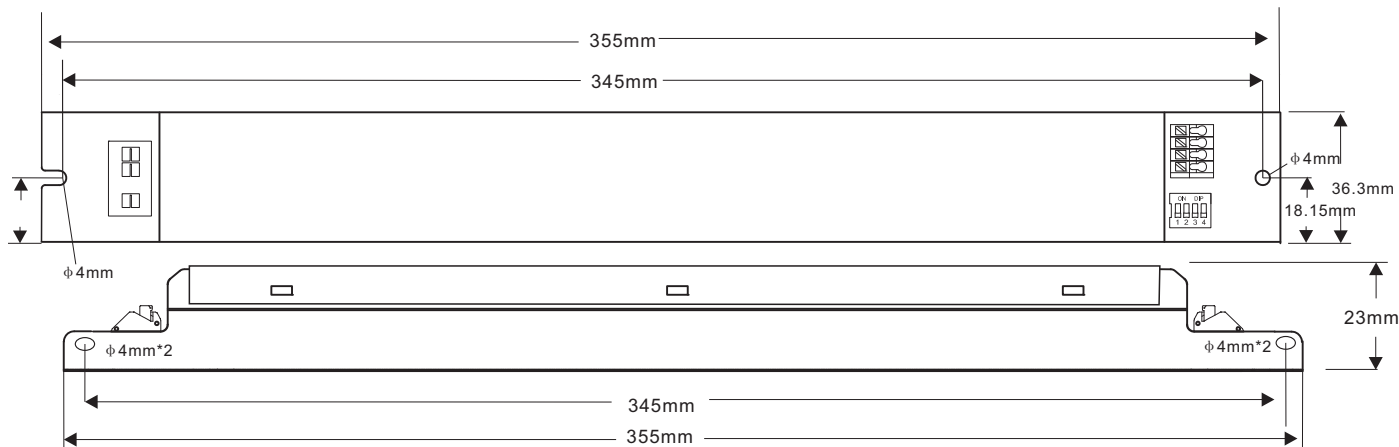
■ BK-BHL040/BK-BHL050



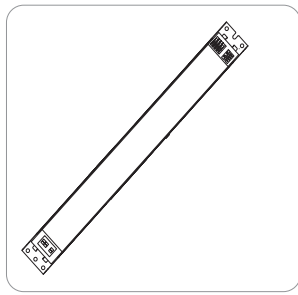
■ BK-BHL060



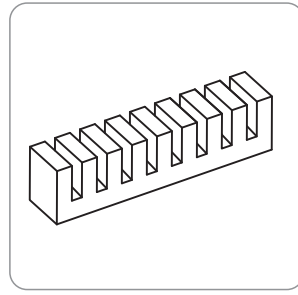
■ BK-BHL070



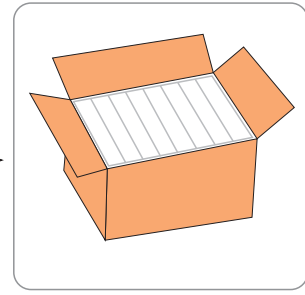
Product package



Product



Pearl wool



Carton

Product series	Product size	Weight/pcs	Carton size	Weight/box	PACKING
BHL030	L245*W30.2*H20.6mm	0.168Kg	L410*W295*H200mm	9.6KG/CTN	48PCS/CTN
BHL040	L285*W30.2*H20.6mm	0.205 Kg	L415*W330*H190mm	9.4KG/CTN	40PCS/CTN
BHL050	L285*W30.2*H20.6mm	0.230 Kg	L415*W330*H190mm	10.5KG/CTN	40PCS/CTN
BHL060	L335*W30.2*H20.6mm	0.305 Kg	L415*W330*H190mm	12.1KG/CTN	35PCS/CTN
BHL070	L355*W36.3*H23mm	0.355 Kg	L440*W375*H222mm	14KG/CTN	35PCS/CTN

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