



Features:

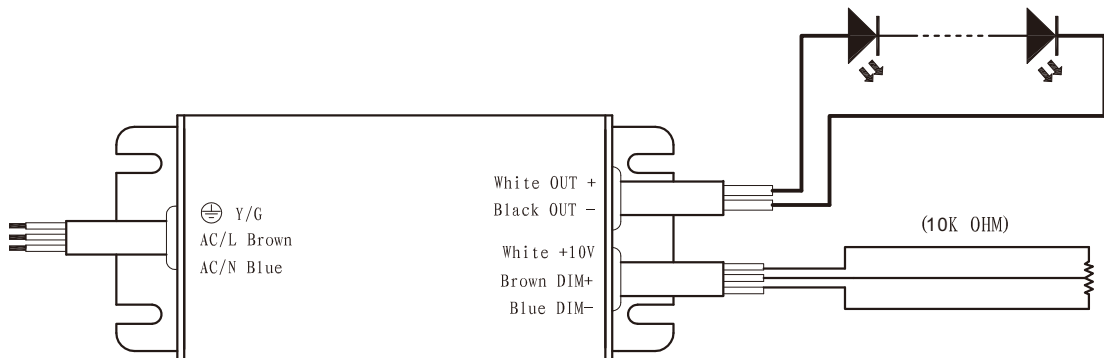
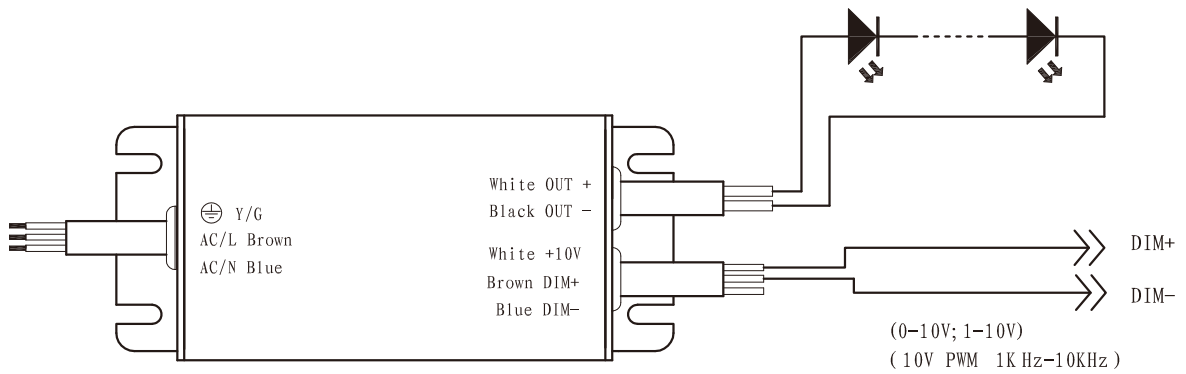
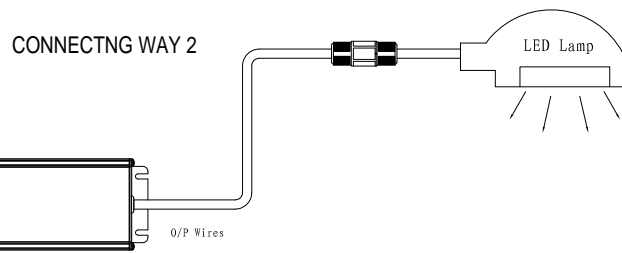
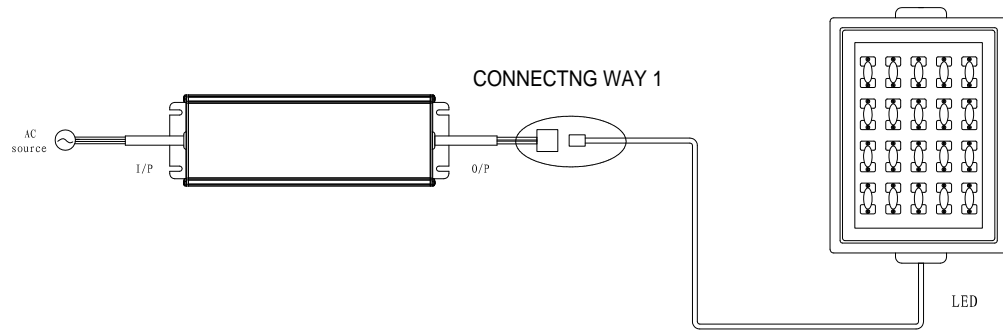
- . Universal AC input / Full range(up to 305VAC)
- . IP65 or IP67, metal case
- . Protections: Short circuit / Overload / Over voltage/ Over temperature
- . Built-in active PFC function
- . Cooling by free air convection,high reliability
- . 100% aging test with full load
- . Suitable for LED lighting and LED display



A: Output voltage and constant current level can be adjusted through internal potentiometer;
 B: Three in one dimming function;D:Timer dimming function, can be bespoked

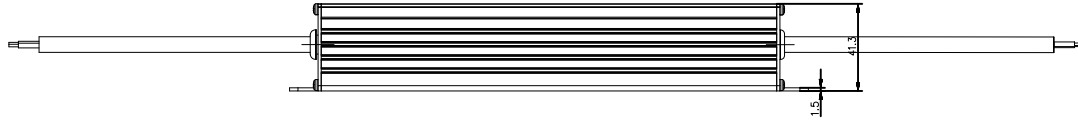
- . Compliance to worldwide safety regulations for lighting
- . 5 years warranty

Model		LED-DR-12V-320W-A/B/D	LED-DR-15V-320W-A/B/D	LED-DR-24V-320W-A/B/D	LED-DR-36V-320W-A/B/D	LED-DR-48V-320W-A/B/D	LED-DR-56V-320W-A/B/D	
Output	VOLTAGE ADJ. RANGE	10.5~13.5V DC	13.5~17V DC	22-27V DC	33-40V DC	43-53V DC	49-58V DC	
	MINI OUTPUT VOLTAGE FOR CC	6V	7.5V	12V	18V	24V	27V	
	RATED CURRENT	22A	19A	13.4A	8.9A	6.7A	6A	
	MAX OUTPUT POWER	264W max	285W max	320W max	320W max	320W max	320W max	
	MAX OUTPUT VOLTAGE (NO LOAD)	15V	19V	30V max	44V max	55V max	62V max	
	RIPPLE & NOISE (max.) Note.2	150mV (Vp-p)	150mV (Vp-p)	300mV (Vp-p)	300mV (Vp-p)	300mV (Vp-p)	300mV (Vp-p)	
	CURRENT ADJ. RANGE	11~22A	9.5-19A	6.7-13.4A	4.5-8.9A	3.4-6.7A	3-5.93A	
	LINE REGULATION							+/-1%
	CURRENT TOLERANCE Note.3							+/-5%
	LOAD REGULATION							+/-3%
SETUP, RISE TIME note.4							500mS , 30mS (180V 50Hz)	
HOLD UP TIME (Typ.)							30mS (230V 50Hz) 10mS(115V 60Hz) 100% load	
Input	VOLTAGE RANGE							90~305V AC
	FREQUENCY RANGE							47~63Hz
	POWER FACTOR (Typ.)							PF>0.95 (230V 50Hz) PF>0.98(115V 50Hz) 100% load
	EFFICIENCY (Typ.)	92%	93%	94%	94.50%	95.00%	95.00%	
	AC CURRENT (Typ.)							2A/230V 50Hz 4A/90V 60Hz
	INRUSH CURRENT (Typ.)							45A/230V (25°C)
Protection	LEAKAGE CURRENT							0.7mA max (230C 50HZ)
	OVER CURRENT							1.1~1.6 times rated load (auto-recovery)
	SHORT CIRCUIT							Hiccup mode auto-recovery
	OVER VOLTAGE	18V MAX	25V MAX	35V MAX	50V MAX	65V MAX	72V MAX	
	OVER TEMPERATURE							115°C+/-10°C(NTC) Protection mode: Turn off input voltage,recovers automatically after temperature goes down
Environment	WORKING TEMP.							-40~70°C(Refer to "Derating Curve")
	WORKING HUMIDITY							15~95% RH
	STORAGE TEMP., HUMIDITY							-40~80°C,10~95% RH
	TEMP. COEFFICIENT							+/-0.05%/°C(-10~45°C)
	IP RATING							IP65 (A) /IP67(B)
Safety&EMC	VIBRATION							10 ~ 500Hz, 5G 10min./1cycle,30 min. each along X, Y, Z axes
	SAFETY STANDARDS Note.5							EN61347-1, EN61347-2-13
	WITHSTAND VOLTAGE							I/P: -O/P: 5.3KV DC 1min
	ISOLATION RESISTANCE							I/P: -O/P, I/P-FG: 50M Ohm/500VDC/25°C/70%RH
	EMC EMISSION							EN55015,Fcc par 15 ClassB
Others	EMC IMMUNITY							EN61000-4-2, 3, 4, 5, 6, 8, 11; EN55024; EN61547
	HARMONIC							EN61000-3-2 CLASS C (100%load)
	MTBF							225Khrs MIL-HDBK-217F (25°C)
Others	DIMENSION							246*84*41.3mm
	PACKING refer to note 6							
Note	1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25 of ambient temperature 2.Ripple & noise are measured at 20MHz of bandwidth by using a 12" twister . 3.Tolerance : includes set up tolerance, line regulation and load 4.SETUP, RISE TIME is measured from 10% to 90% voltage 5.Safety and EMC design refer to EN61347-1、EN61347-2-13;TUV;CE Approved 6.If work in CC mode, please refer to rated current 7. If test in CC mode, please use LED as load							

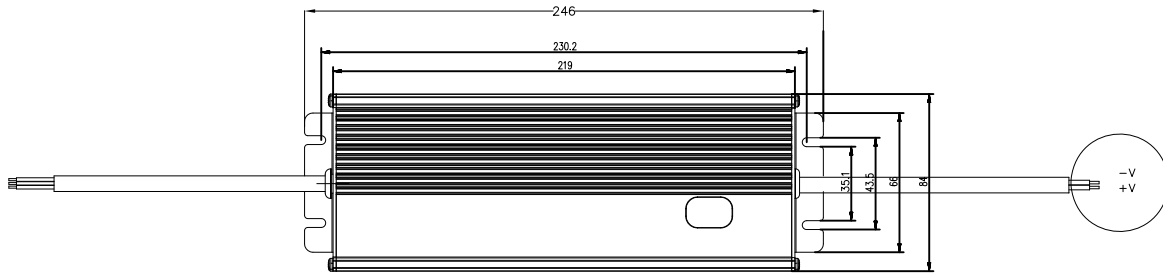


PowerPax

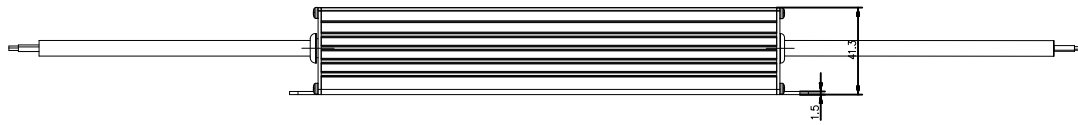
-A version



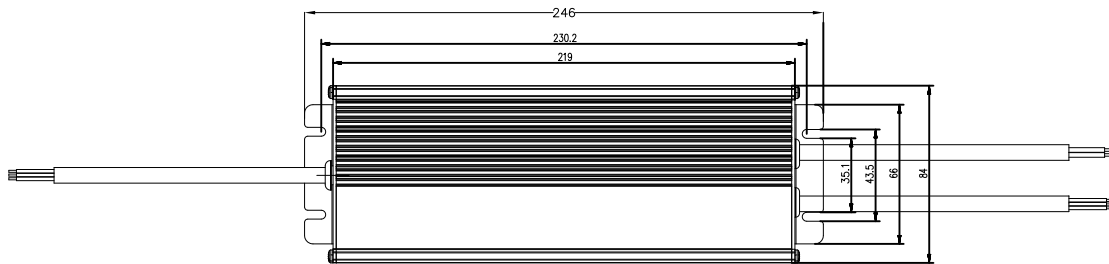
GND ⊕
AC/L
AC/N



-B version



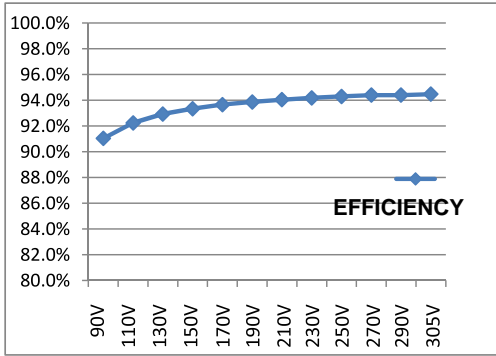
GND ⊕
AC/L
AC/N



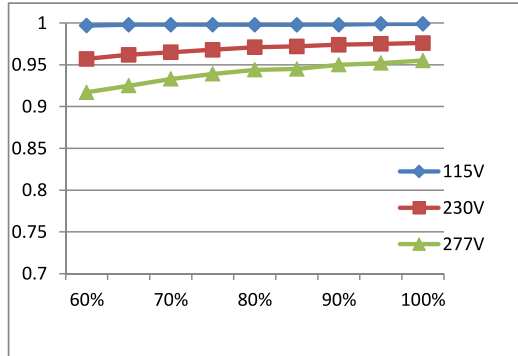
OUT -
OUT +
+10V
Dim+
Dim-

320W LED Driver series

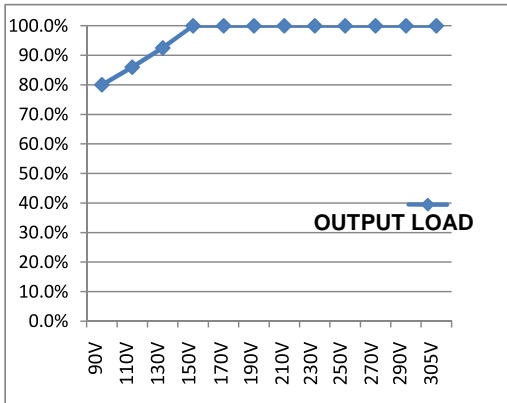
EFFICIENCY vs VOLTAGE



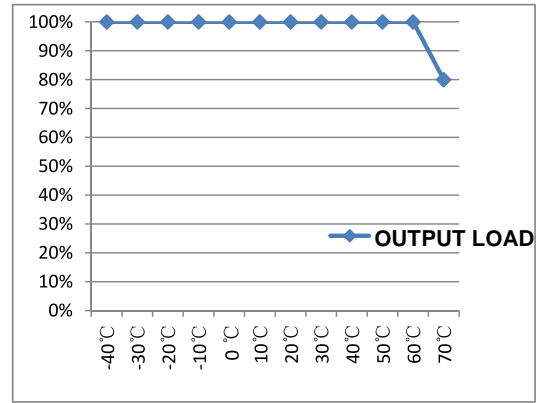
PF vs VOLTAGE



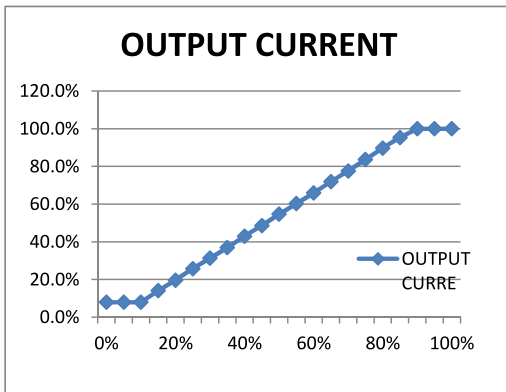
INPUT VOLTAGE vs OUTPUT LOAD



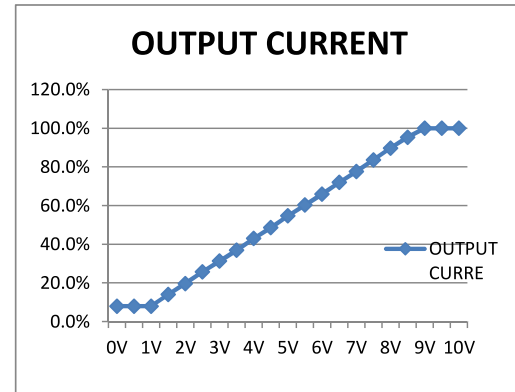
OUTPUT LOAD vs TEMPERATURE



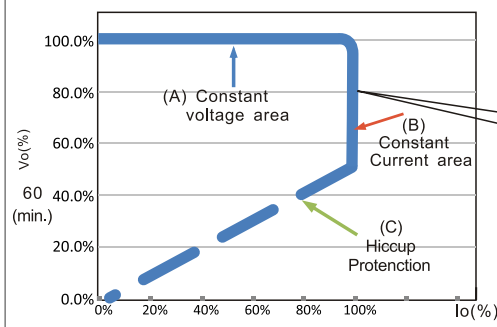
DIMMABLE PWM VS OUTPUT CURRENT



DIMMABLE VOLTAGE VS OUTPUT CURRENT



Typical LED power supply I-V curve



when test under constant current area, use LED light or LED model electronic load