



- Constant voltage design
- Universal AC input / Full range
- Withstand 260VAC surge input for 5 seconds
- Protections: Short circuit / Overload / Over voltage
- Cooling by free air convection
- Fully encapsulated with IP20 level
- Fully metal case
- Class I power unit
- Suitable for LED related fixture or appliance
- 100% full load burn-in test
- High reliability
- 2 years warranty

MODEL		RZ-6012-PSB	RZ-10012-PSB	RZ-15012-PSB	RZ-20012-PSB	RZ-25012-PSB	RZ-30012-PSB	RZ-36012-PSB	
OUTPUT	DC VOLTAGE	12V							
	RATED CURRENT	5A	8.3A	12.5A	16.7A	20A	25A	30A	
	CURRENT RANGE	0 ~ 5A	0 ~ 8.3A	0 ~ 12.5A	0 ~ 16.7A	0 ~ 20A	0 ~ 25A	0 ~ 30A	
	RATED POWER	60W	100W	150W	200W	250W	300W	360W	
	RIPPLE & NOISE (max.)	150mVp-p	150mVp-p	180mVp-p	180mVp-p	200mVp-p	200mVp-p	200mVp-p	
	VOLTAGE TOLERANCE	±5.0%							
	LINE REGULATION	±1.0%							
	LOAD REGULATION	±2.0%							
	SETUP, RISE TIME	500ms, 20ms / 230VAC 500ms							
HOLD UP TIME (Typ.)	16ms/220VAC at full load								
INPUT	VOLTAGE RANGE	220VAC+20%							
	FREQUENCY RANGE	50Hz							
	EFFICIENCY (Typ.)	90%	92%	94%	95%	95%	95%	95%	
	AC CURRENT (Typ.)	1A/230VAC							
	INRUSH CURRENT(Typ.)	COLD START 60A (width=525µs measured at 50% Ipeak) at 230VAC							
	MAX. No. of PSUs on 16A CIRCUIT BREAKER	3 units (circuit breaker of type B) / 6 units (circuit breaker of type C) at 230VAC							
	LEAKAGE CURRENT	0.25mA / 240VAC							
PROTECTION	OVERLOAD	110 ~ 150% rated output power Protection type: Hiccup mode, recovers automatically after fault condition is removed							
	OVER VOLTAGE	Protection type: Shut down o/p voltage, re-power on to recover							
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C							
	WORKING HUMIDITY	20 ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-40 ~ +80°C, 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.03%/°C (0 ~ 50°C)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
SAFETY & EMC	SAFETY STANDARDS	BIS IS15885, IEC62368-1; BS EN/EN62368-1							
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC							
	ISOLATION RESISTANCE	I/P-O/P:>100M Ohms / 500VDC / 25°C/ 70% RH							
	EMC EMISSION	Compliance to BS EN/EN55032 (CISPR32) Class B, BS EN/EN61000-3-2 Class A, BS EN/EN61000-3-3, EAC TP TC 020							
	EMC IMMUNITY	Compliance to BS EN/EN61000-4-2,3,4,5,6,8,11, BS EN/EN55024, light industry level, criteria A, EAC TP TC 020							
OTHERS	MTBF	732Khrs min.							
	DIMENSION (MM)	170*49*29	255*49*29	255*49*29	255*49*29	255*63*29	330*49*29	330*49*29	
	PACKING								
NOTE	<ol style="list-style-type: none"> 1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°Cof ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1µf & 47µf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. Derating may be needed under low input voltage. Please check the static characteristics for more details. 5. The power supply is considered as a component that will be operated in combination with final equipment. Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again. 								