

■ Features

- **Global certificates**
- Universal AC input / Full range
- 3 pole AC inlet IEC320-C14, Class I power unit
- No load power consumption < 0.15W
- **Energy efficiency Level VI**
- Comply with EISA 2007/DoE, NRCAN, Korea K-MEPS, U/NZ MEPS, EU ErP and CoC Version 5
- **Protections:** Short circuit / Overload / Over voltage / Over temperature
- Fully enclosed plastic case • -30~+70°C wide range working temperature

■ Applications

- Consumer electronic devices
- Telecommunication devices
- Office facilities
- Industrial equipments

SPECIFICATION

OUTPUT	DC VOLTAGE	12V	15V	20V	24V	48V	
	RATED CURRENT	8.5A	7A	6A	5A	2.5A	
	CURRENT RANGE	0 ~ 8.5A	0 ~ 7A	0 ~ 6A	0 ~ 5A	0 ~ 2.5A	
	RATED POWER (max.)	102W	105W	120W	120W	120W	
	RIPPLE & NOISE (max.) Note.2	120mVp-p	120mVp-p	150mVp-p	180mVp-p	200mVp-p	
	VOLTAGE TOLERANCE Note.3	±5.0%	±5.0%	±5.0%	±3.0%	±2.5%	
	LINE REGULATION Note.4	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LOAD REGULATION	±5.0%	±5.0%	±4.0%	±3.0%	±2.5%	
	SETUP, RISE TIME Note.5	2000ms, 30ms / 230VAC 2500ms, 30ms / 115VAC at full load					
	HOLD UP TIME (Typ.)	20ms / 230VAC 20ms / 115VAC at full load					
INPUT	VOLTAGE RANGE Note.6	85 ~ 264VAC 120 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz					
	POWER FACTOR (Typ.)	PF>0.93 / 230VAC PF>0.97 / 115VAC at full load					
	EFFICIENCY (Typ.)	R7B	88.5%	89%	90%	90.5%	91%
		P1M	-----	-----	89%	89.5%	90.5%
	AC CURRENT	1.4A / 115VAC 0.7A / 230VAC					
	INRUSH CURRENT (max.)	Cold start 35 / 115AC 70A / 230VAC					
LEAKAGE CURRENT(max.)	0.75mA / 240VAC						
PROTECTION	OVERLOAD	105 ~ 160% rated output power Protection type : Hiccup mode, recovers automatically after fault condition is removed					
	OVER VOLTAGE	105 ~ 135% rated output voltage Protection type : Shut down o/p voltage, re-power on to recover					
	OVER TEMPERATURE	Shut down o/p voltage, re-power on to recover					
ENVIRONMENT	WORKING TEMP.	-30 ~ +70°C (Refer to "Derating Curve")					
	WORKING HUMIDITY	20% ~ 90% RH non-condensing					
	STORAGE TEMP., HUMIDITY	-40 ~ +85°C, 10 ~ 95% RH non-condensing					
	TEMP. COEFFICIENT	±0.03% / °C (0~45°C)					
SAFETY & EMC (Note. 8)	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes					
	SAFETY STANDARDS Note. 7	UL62368-1, CSA C22.2 No. 62368-1, TUV BS EN/EN62368-1, BSMI CNS14336, CCC GB4943.1, PSE J62368-1, AS/NZS 60950.1, BIS IS13252, KC K60950-1, EAC TP TC 004 approved; SIRIM MS IEC60950-1 (optional) approved					
	WITHSTAND VOLTAGE	I/P-O/P: 3KVAC					
	ISOLATION RESISTANCE	I/P-O/P: 100M Ohms / 500VDC / 25°C / 70% RH					
	EMC EMISSION	Parameter	Standard			Test Level / Note	
		Conducted emission	BS EN/EN55032(CISPR32), FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B), CNS13438, GB17625.1 EAC TP TC 020, MSIP KN32			Class B	
		Radiated emission	BS EN/EN55032(CISPR32), FCC PART 15 / CISPR22 CAN ICES-3(B)/NMB-3(B), CNS13438, GB17625.1 EAC TP TC 020, MSIP KN32			Class B	
		Harmonic current	BS EN/EN61000-3-2, GB9254			Class A	
	EMC IMMUNITY	Voltage flicker	BS EN/EN61000-3-3			-----	
		Parameter	Standard			Test Level / Note	
ESD		BS EN/EN61000-4-2			Level 4, 15KV air; Level 4, 8KV contact		
RF field susceptibility		BS EN/EN61000-4-3			Level 2, 3V/m		
EFT bursts		BS EN/EN61000-4-4			Level 2, 1KV		
Surge susceptibility		BS EN/EN61000-4-5			Level 3, 1KV/Line-Line, 2KV/Line-FG		
Conducted susceptibility		BS EN/EN61000-4-6			Level 2, 3V		
Magnetic field immunity		BS EN/EN61000-4-8			Level 2, 3A/m		
Voltage dips, interruption	BS EN/EN61000-4-11			>95% dip 0.5 periods, 30% dip 25 periods, >95% interruptions 250 periods			
OTHERS	MTBF	2250.5K hrs min. Telcordia SR-332 (Bellcore) ; 368.5K hrs min. MIL-HDBK-217F (25°C)					
	DIMENSION	167*67*35mm (L*W*H)					
	PACKING	0.62Kg; 20pcs/13.4Kg/0.89CUFT					
CONNECTOR	PLUG	See page 4-5 ; Other type available by customer requested					
	CABLE	See page 4-5 ; Other type available by customer requested					