



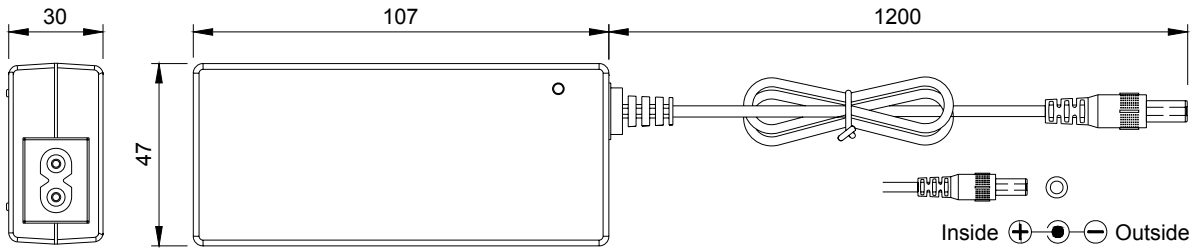
- Features :
- AC inlet IEC320-C8
- No load power consumption <0.5W
- Constant current and voltage(CC,CV mode)
- Suitable for continue load
- For high surge current equipment
- Protections: Short circuit / Over load / Over voltage / Over temp.
- 2 color LED indicating charging status
- Fully enclosed plastic case
- High reliability
- UL/ CUL / CE
- 1 year warranty


SPECIFICATIO

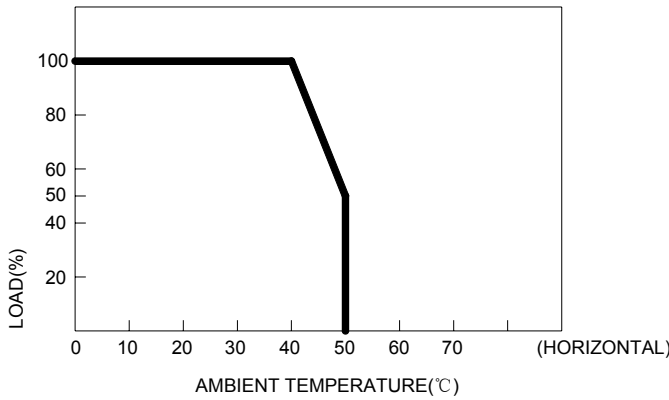
OR		HR30D-084-30	HR30D12B	HR30D16B	HR30D21	HR30D-ABC-XY
OUTPUT	DC VOLTAGE SET AT	8.4V	12.6V	16.8V	21.0V	7.5~24V
	RATED CURRENT	3A	2.4A	1.8A	1.4A	0-3A
	CURRENT RANGE	0 ~ 3A	0 ~ 2.4A	0 ~ 1.8A	0 ~ 1.4A	0 ~3A
	RATED POWER	25.2W	30.0W	30.0W	30.0W	30.0W
	RIPPLE & NOISE (max.)	120mVp-p	150mVp-p	200mVp-p	250mVp-p	300mVp-p
	CHARGING VOLTAGE	5.4 ~ 8.4V	8 ~ 12.6V	10 ~ 16.8V	13.5 ~ 21V	7.5~24V
	LINE REGULATION	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	LED INDICATOR	Green LED ON : <500mA Red LED ON : >500mA of charge current				
SETUP, RISE, HOLD TIME		200ms, 50ms, 16ms at full load				
INPUT	VOLTAGE RANGE	90 ~ 264VAC		127 ~ 370VDC		
	FREQUENCY RANGE	47 ~ 63Hz				
	EFFICIENCY(Typ.)	70%	75%	80%	84%	84%
	AC CURRENT (Typ.)	1.5A/115VAC		0.75A/230VAC		
	INRUSH CURRENT (max.)	80A/230VAC				
	LEAKAGE CURRENT (max.)	3.5mA / 240VAC				
PROTECT ION	OVERLOAD	90 ~ 110% Constant current mode and over 300% pulsing mode Protection type : Constant current limiting, recovers automatically after fault condition is removed				
	OVER VOLTAGE	110 ~ 135% rated output voltage Protection type : Clamp by zener diode				
	OVER TEMPERATURE	IC1Tj 130°C Protection type : Shut down o/p voltage, recovers automatically after temperature goes down				
ENVIRON MENT	WORKING TEMP.	0 ~ + 50°C (Refer to output load derating curve)				
	WORKING HUMIDITY	20% ~ 90% RH non-condensing				
	STORAGETEMP.,	-20 ~ +85°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	UL60950-1, CSA22.2 Approved				
	WITHSTAND VOLTAGE	I/P-O/P:4242VDC (2 Pin) OR 2121VDC (3 Pin)				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG:100M Ohms / 500VDC / 25 / 70% RH				
	EMICONDUCTION&RADIATION	Compliance to EN55022(CISPR22) class B, FCC part 15J class B				
	HARMONIC CURRENT	Compliance to EN61000-3-2,3				
OTHERS	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, Light industry level, criteria A				
	DIMENSION	107*47*30mm (L*W*H)				
	PACKING	0.4Kg;				

CONNECT OR	PLUG	Standard type : 2.1Φ * 5.5Φ* 11mm, tuning fork type center positive for stock ; Other type available by customer requested
	CABLE	Standard type 120cm of 1185 or2468, 18Awg*2c for stock ; Other type available by customer requested
NOTE	1.All parameters are specified at 230VAC input, rated load, 25 70% RH. Ambient. 2.DC voltage: The output voltage set at point measure by plug terminal & 0% load. 3.Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. 4.Output charging voltage range is measured from 0% to 100% rated load. 5.Line regulation is measured from low line to high line at rated load.	

■ Mechanical Specification



■ Derating Curve



■ Static Characteristics

