


■ Features :

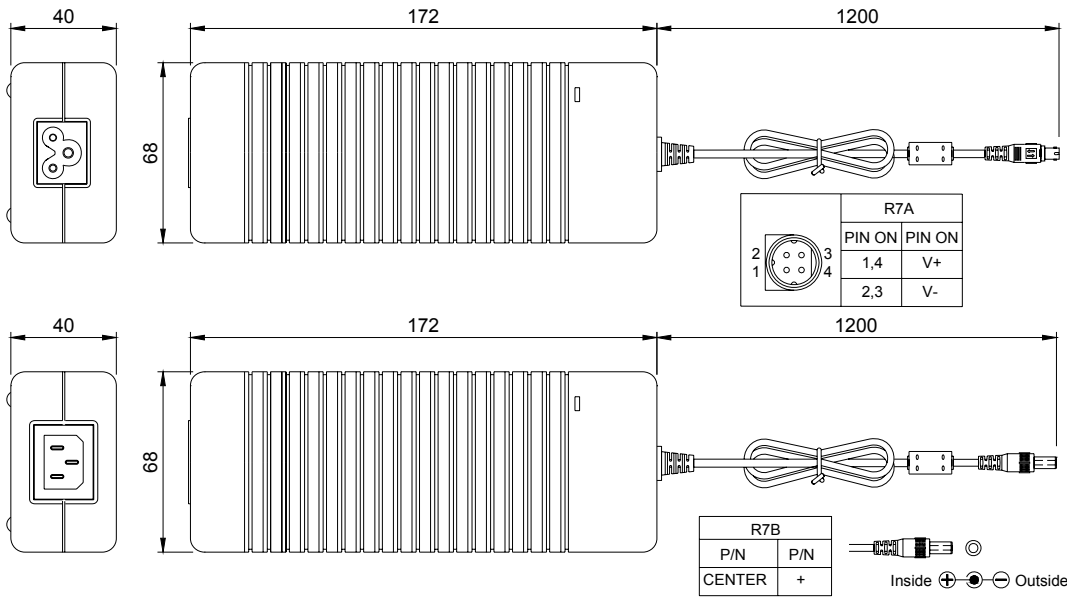
- 3 pole AC inlet IEC320-C14
- Built-in active PFC function, PF>0.95
- No load power consumption <0.75W
- Constant current and voltage(CC,CV mode)
- Suitable for continue load
- For high surge current equipment
- Protections: Short circuit / Over load / Over voltage / Over temp.
- 2 colors LED indicate for charging status
- Fully enclosed plastic case
- High reliability
- UL/ CUL / CB / FCC / CE


SPECIFICATIO

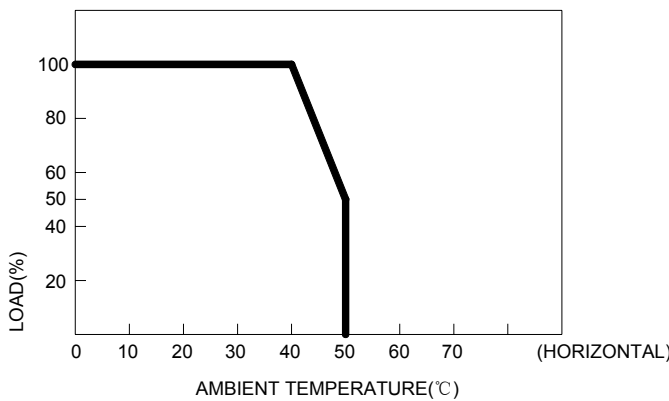
ORDER NO.	HR90C08	HR90C12	HR90C16	HR90C21	HR90C25	
OUTPUT	DC VOLTAGE SET AT Note.2	8.4V	12.6V	16.8V	21.0V	25.2V
	RATED CURRENT	6A	6.32A	5.35A	4.28A	3.57A
	CURRENT RANGE	0 ~ 6A	0 ~ 6.32A	0 ~ 5.35A	0 ~ 4.28A	0 ~ 3.57A
	RATED POWER	50.0W	80.0W	90.0W	90.0W	90.0W
	RIPPLE & NOISE (max.) Note.3	120mVp-p	150mVp-p	200mVp-p	250mVp-p	300mVp-p
	CHARGING VOLTAGE RANGE Note.4	5.4 ~ 8.4V	8 ~ 12.6V	10 ~ 18.8V	13.5 ~ 21V	16.0 ~ 25.2V
	LINE REGULATION	±1.0%	±0.5%	±0.5%	±0.5%	±0.5%
	LED INDICATOR	Green LED ON : <200mA 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				
	POWER FACTOR (Typ.)	PF ≥ 0.92/230VAC		PF ≥ 0.96/115VAC at full load		
	EFFICIENCY(Typ.)	80%	84%	85%	86%	87%
	AC CURRENT (Typ.)	1.5A/115VAC		0.75A/230VAC		
	INRUSH CURRENT (max.)	80A/230VAC				
	LEAKAGE CURRENT (max.)	3.5mA / 240VAC				
PROTECTION	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				
ENVIRONMENT	WORKING TEMP.	0 ~ + 50°C (Refer to output load derating curve)				
	WORKING HUMIDITY	20% ~ 90% RH non-condensing				
	STORAGE TEMP., HUMIDITY	-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	UL2601-1, IEC60601-1, EN60601-1 approved				
	WITHSTAND VOLTAGE	I/P-O/P: 5656VDC , I/P-FG: 2828VDC				
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG:100M Ohms / 500VDC / 25 / 70% RH				
	EMI CONDUCTION & RADIATION	Compliance to EN55011(CISPR11) 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	172*68*42mm (L*W*H)				
	PACKING(Typ.)	0.6Kg;				

CONNECTOR	PLUG	Standard type R7A,R7B: 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

