


■ Features :

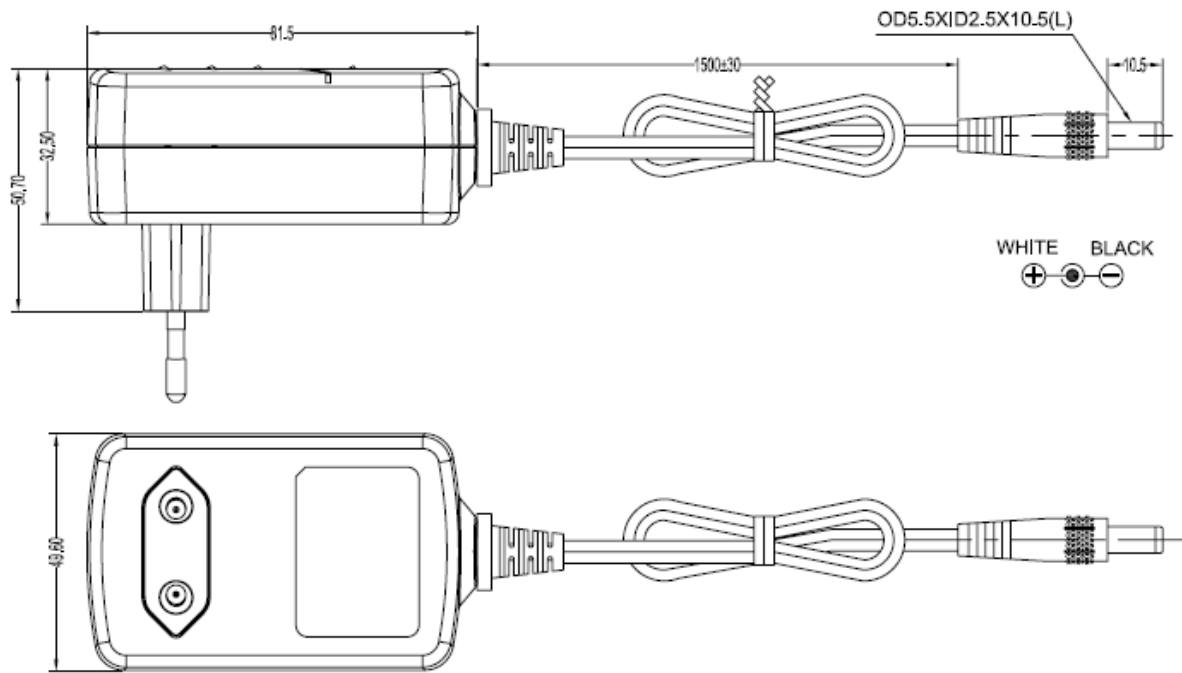
- Built-in switching power technology for worldwide 90 to 264V AC use
- No load power consumption<0.3W
- Fast-charge termination by $0\Delta V\&-\Delta V$
- Typical charging time: 4 hours
- Maximum output power: 18W
- Protections: Short circuit / Over load / Over voltage
- Constant current (CV, mode)
- Approvals:CE
- Fast charge: 750-2000mA
- Trickle charge: 25-50mA
- 2 year warranty


SPECIFICATION

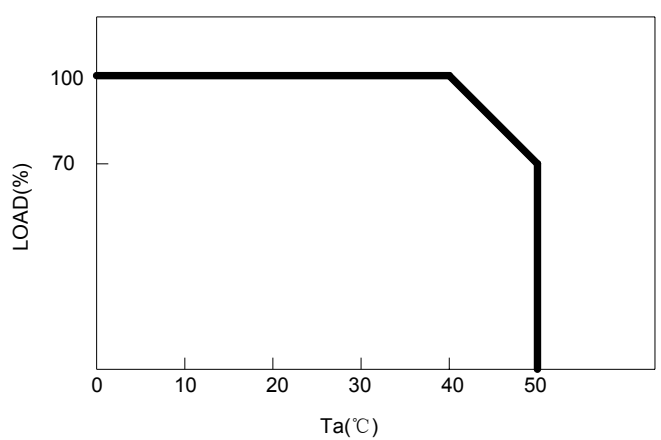
ORDER NO.		HR18NE042	HR18NE084	HR18NE112	HR18NE140	HR18NE168	HR18NE280	HR18NEABC-XYZ	
OUTPUT	DC VOLTAGE Note.2	4.2V	8.4V	11.2V	14V	16.8V	28V	4.2~42V	
	RATED CURRENT	2000mA	1500mA	1200mA	1000mA	800mA	500mA	0~2000mA	
	CURRENT RANGE	0~ 2000mA	0 ~ 1500mA	0 ~ 1200mA	0 ~ 1000mA	0 ~ 750mA	0~510mA	0~2000mA	
	RATED POWER	10.5W	12.6W	13.4W	14W	13.4W	14W	18WMax	
	BATTERY PACKS	3S	6S	8S	10S	12S	20S		
	VOLTAGE ADJ. RANGE	4.2V~7V	8.4V~12V	11.2V~15V	14 V ~18V	16.8 V ~22V	28V~34V	4.2V~42V	
		Fixed							
	VOLTAGE TOLERANCE Note.4	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	±1.0%	
	LOAD REGULATION Note.6	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	±5.0%	
	LED INDICATOR	Red: charging Green: finish/standby Red flash: Battery pack error							
SETUP, RISE, HOLD UP TIME	3000ms, 50ms, 16ms at full load								
INPUT	VOLTAGE RANGE	90 ~ 264VAC		135 ~ 370VDC					
	FREQUENCY RANGE	47 ~ 63Hz							
	EFFICIENCY (Typ.) Note.7	75%	78%	78%	80%	80%	80%		
	AC CURRENT	0.5A/100VAC							
	INRUSH CURRENT (Typ.)	50A/230VAC							
	LEAKAGE CURRENT (max.)	0.25mA / 240VAC							
PROTECTION	OVER LOAD	90 ~ 110% Constant current mode Protection type : Hiccup mode, recovers automatically after fault condition is removed							
	OVER VOLTAGE	135 ~ 180% rated output voltage Protection type : Clamp by PWM IC							
ENVIRONMENT	WORKING TEMP.	-10℃ ~ + 40℃ (Refer to output load derating curve)							
	WORKING HUMIDITY	20% ~ 90% RH non-condensing							
	STORAGE TEMP., HUMIDITY	-20 ~ +85℃ , 10 ~ 95% RH							
	TEMP. COEFFICIENT	±0.03% /℃ (0 ~ 50℃)							
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes							
SAFETY & EMC (Note.8)	SAFETY STANDARDS	UL60950-1, CSA 22.2, EN60950-1 Approved							
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC							
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25℃ / 70% RH							
	EMICONDUCTION& RIATION	Compliance to EN55022 class B, FCC PART 15 class B							
	HARMONIC CURRENT	Compliance to EN61000-3-2,3							
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, Light industry level, criteria A							
	DIMENSION	81.5*43.6*50.7mm (L*W*H)							
PACKING (Typ.)	125g								

CONNECTOR	PLUG	Standard type : 2.1Φ* 5.5Φ* 10.5mm, tuning fork type center positive ; Other type available per customer request
	CABLE	Standard type 22Awg UL2468 ; Other type available per customer request
NOTE	<ol style="list-style-type: none"> All parameters are specified at 230VAC input, rated load, 25°C 70% RH ambient. DC voltage: The output voltage set at point measure by plug terminal & 50% load. Ripple & noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. Tolerance: includes set up tolerance, line regulation, load regulation. Line regulation is measured from low line to high line at rated load. Load regulation is measured from 0% to 100% rated load Efficiency is measured at 230VAC. The power supply is considered a component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets EMC directives. 	

Mechanical Specification



Derating Curve



Static Characteristics

