


■ Features :

- Built-in switching power technology for worldwide 180 to 264V AC use
- No load power consumption < 1.2W
- Fast-charge termination by ΔT & $-\Delta V$
- Typical charging time: 2 hours
- Maximum output power: 50W
- Protections: Short circuit / Over load / Over voltage
- Constant current (CV mode)
- Approvals: CE
- Fast charge: 150-180mA
- 2 year warranty


SPECIFICATION

ORDER NO.		HR45NE240-180		
OUTPUT	DC VOLTAGE	27V	RATED CURRENT	1800mA
	RATED POWER	45W	CURRENT RANGE	0~ 1800mA
	VOLTAGE ADJ. RANGE	9V~27V	RIPPLE & NOISE (max.)	300mVp-p
	LINE REGULATION	$\pm 1.0\%$	VOLTAGE TOLERANCE	$\pm 5.0\%$
	LOAD REGULATION	$\pm 5.0\%$		
	LED INDICATOR	2 color LED indicating charging status		
	SETUP, RISE, HOLD UP	3000ms, 50ms, 16ms at full load		
INPUT	VOLTAGE RANGE	180 ~ 264VAC		
	FREQUENCY RANGE	47 ~ 63Hz		
	EFFICIENCY (Typ.)	80%		
	AC CURRENT	1.0A/230VAC		
	INRUSH CURRENT (Typ.)	50A/230VAC		
	LEAKAGE CURRENT	0.25mA / 240VAC		
PROTECTION	OVER LOAD	90 ~ 110% Constant current mode Protection type : Hiccup mode, recovers automatically after fault condition is removed		
	OVER VOLTAGE	The output terminal voltage will not exceed 27.4V Protection type: the charger unit is able to recover to its normal operating. Conditions once the over voltage fault has been removed and the MCU has been reset.		
ENVIRONMENT	WORKING TEMP.	0 ~ + 40°C (Refer to output load derating curve)		
	WORKING HUMIDITY	20% ~ 90% RH non-condensing		
	STORAGE TEMP.,	-20 ~ +85°C , 10 ~ 95% RH		
	TEMP. COEFFICIENT	$\pm 0.03\% / ^\circ\text{C}$ (0 ~ 50°C)		
	VIBRATION	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X, Y, Z axes		
SAFETY & EMC (Note.8)	SAFETY STANDARDS	EN60335		
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC		
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH		
	EMICONDUCTION&	Compliance to EN55014 class B,		
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,11, Light industry level, criteria A		