



## ■ Features :

- Universal AC input / Full range
- 2 pole AC Inlet IEC320-C8
- Class II power (without earth pin)
- No load power consumption <1.0W
- 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 / TUV / PSE / EK / CB / FCC / CE
- 2 year warranty

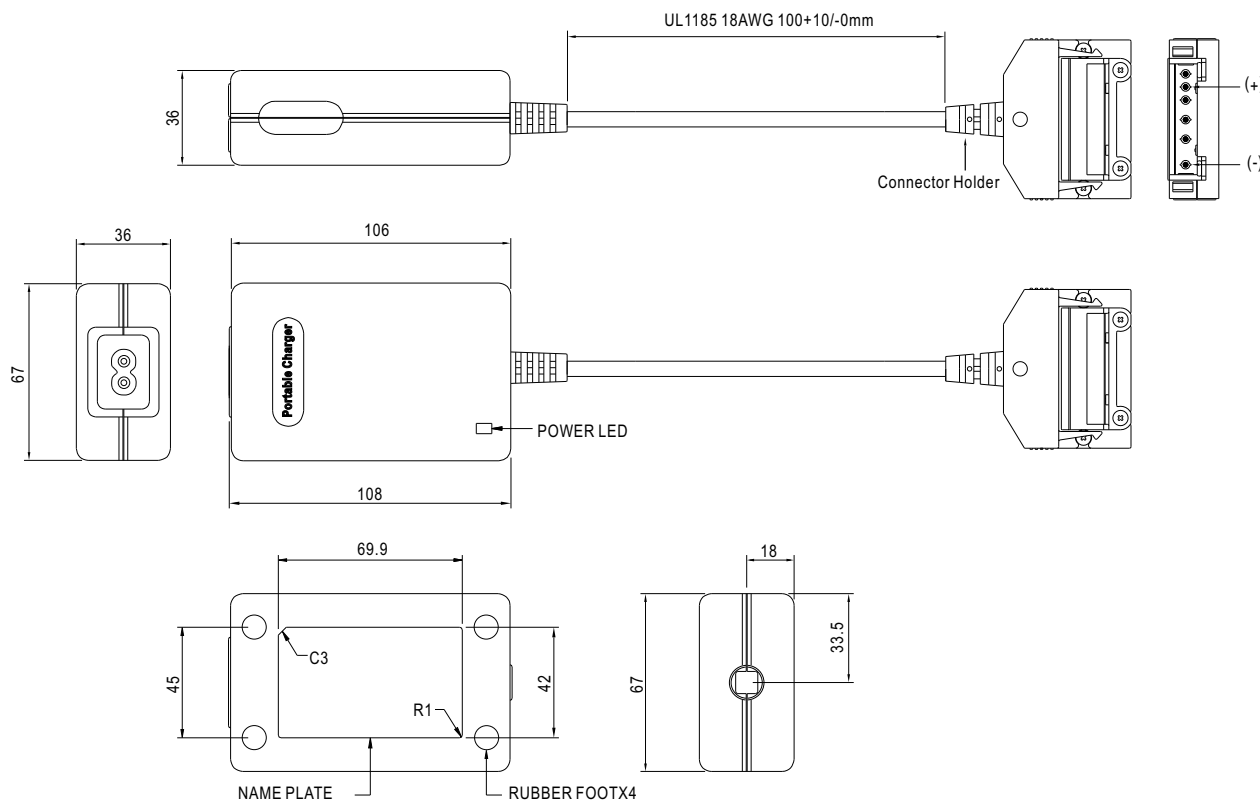


## SPECIFICATION

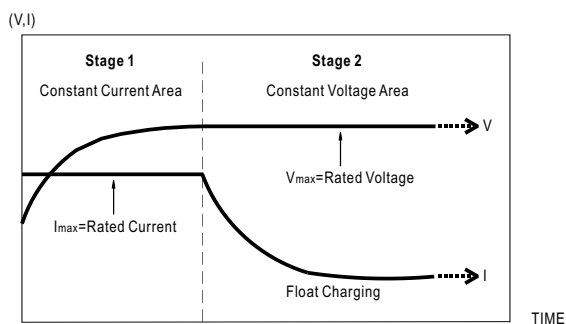
MODEL NO.		EC-1
OUTPUT	DC VOLTAGE SET AT <small>Note.2</small>	16.8V max.
	RATED CURRENT	1.6A
	CURRENT RANGE	1.5 ~ 1.68A
	RATED POWER	27W
	RIPPLE & NOISE (max.) <small>Note.3</small>	100mVp-p
	CHARGING VOLTAGE RANGE <small>Note.4</small>	15.5 ~ 16.8V
	LINE REGULATION <small>Note.5</small>	±0.5%
	LED INDICATOR	Green LED ON < 150 ~ 200mA < Red LED ON
	SETUP, RISE, HOLD TIME	200ms, 50ms, 16ms at full load
INPUT	VOLTAGE RANGE	90 ~ 264VAC
	FREQUENCY RANGE	47 ~ 63Hz
	EFFICIENCY (Typ.)	78%
	AC CURRENT	1A / 100VAC
	INRUSH CURRENT (max.)	40A / 230VAC
PROTECTION	LEAKAGE CURRENT(max.)	0.25mA / 240VAC
	OVER LOAD	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	IC1TJ130°C Protection type : Shut down o/p voltage, recovers automatically after temperature goes down
	WORKING TEMP.	0 ~ +50°C (Refer to output load derating curve)
ENVIRONMENT	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	UL60950-1, CSA22.2, EN60950-1, J60950(H16), K60950-1 Approved
	WITHSTAND VOLTAGE	I/P-O/P:3KVAC
	ISOLATION RESISTANCE	I/P-O/P:100M Ohms / 500VDC / 25°C / 70% RH
	EMI CONDUCTION & RADIATION	Compliance to EN55014-1 class B, FCC part 15 Class B, J55022(H14)
	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	108*67*36mm (L*W*H)
	PACKING	410g; 20pcs / 10.5kg / CARTON
CONNECTOR	PLUG	See page 2
	CABLE	See page 2
NOTE		<p>1.All parameters are specified at 100VAC input, rated load, 25°C 70% RH. Ambient.</p> <p>2.DC voltage: The output voltage set at point measure by plug terminal &amp; 0% load.</p> <p>3.Ripple &amp; noise are measured at 20MHz by using a 12" twisted pair terminated with a 0.1uf &amp; 47uf capacitor.</p> <p>4.Output charging voltage range is measured from 0% to 100% rated load.</p> <p>5.Line regulation is measured from low line to high line at rated load.</p>

## Mechanical Specification

Unit:mm



## Charging Curve



## LED Display

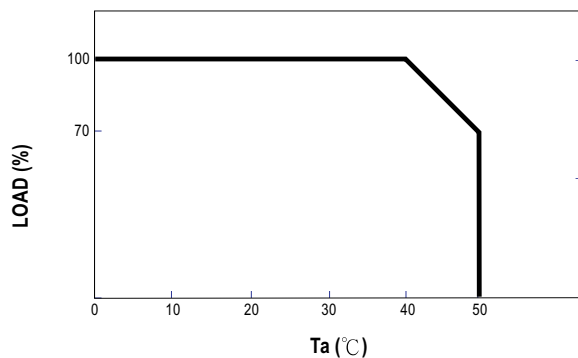
LED Status	Load Condition
Red	Charging
Green	Float Charging

## Plug Assignment

Standard plug: P1J (option)

P1J	
P/N	OUTPUT
CENTER	+

## Derating Curve



## Static Characteristics

