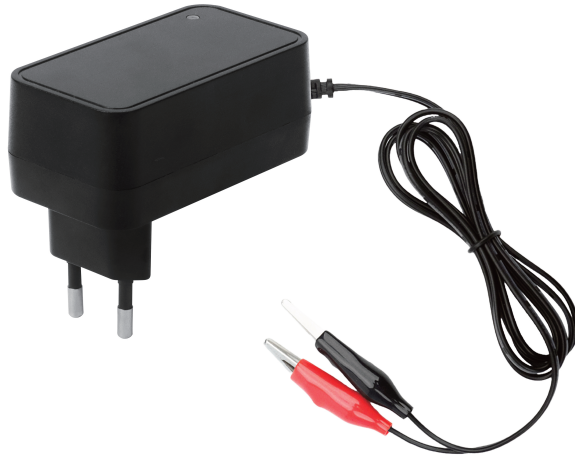


YS25C-E SERIES  
14.4W

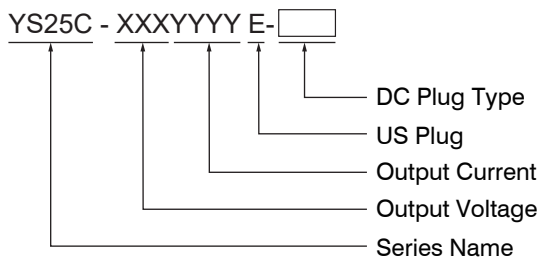


## Features

- Class II
- Charger for lead-acid batteries (flooded, Gel and AGM) and Li-ion batteries (lithium iron and lithium manganese)
- Universal AC input/Full range
- No load power consumption  $< 0.1\text{W}$
- Protections: Short Circuit /Over Voltage / Reverse Over Voltage
- 2 stage charging characteristic
- 2 color LED indicator for charging status
- Fanless design, cooling by free air convection
- Energy efficiency level VI

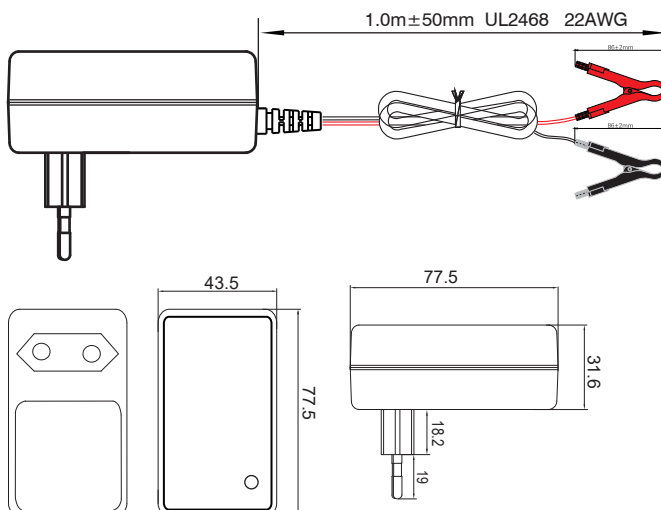


## Model Description



## Dimensions and installation

(Unit: mm , tolerance:  $\pm 1$ mm)



Pin	Output
Red	V+
Black	V-

# YS25C-E SERIES

## 14.4W

### Specification

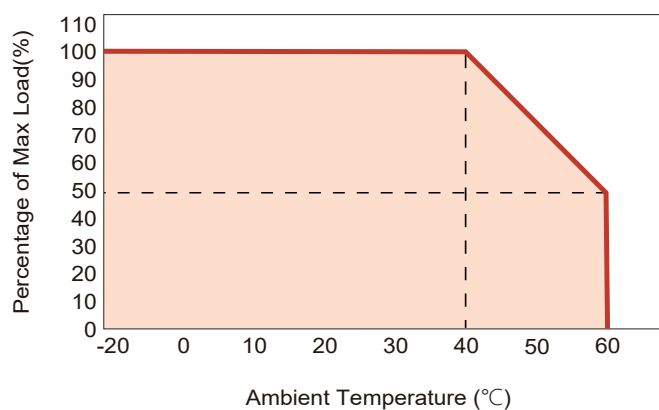
Model	Order P/N	YS25C-1441000E		
	Safety Model No.	YS25C-1441000E		
Output	DC Voltage	14.4V		
	Continuous Output Current	1.0A		
	Constant Current Voltage	8~14V		
	LED Indicator	Charging(CC): RED                      Floating Charging(CV): GREEN		
Input	Rated Voltage Range	100-240VAC		
	Voltage Range	90-264VAC		
	Frequency Range	50/60Hz		
	AC Current	0.8A/115VAC                      0.55A/230VAC		
	Inrush Current	Cold Start 120A/200us at 230VAC 50Hz                      Cold Start 45A/200us at 115VAC 50Hz		
	Leakage Current	<0.25mA/230VAC		
	Efficiency	87.5%		
	No Load Power Consumption	<0.1W		
Protection	Over Load	105~150%		
		Hiccup mode, recovers automatically after fault condition is removed.		
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.		
	Over Voltage	120~180%		
Shut down o/p voltage, re-power on to recover.				
Ambient	Working TEMP.	-20 ~ +60 C (Please refer to “Derating Curve”section)		
	Working Humidity	20 ~ 95%RH Non-condensing		
	Storage TEMP. Humidity	-40 ~ +85 C ,10 ~ 95%RH Non-condensing		
	TEMP. Coefficient	±0.03%/(0 ~ 40 C )		
	Vibration	10 ~ 500Hz, 5G 12min./1cycle, period for 72min. each along X, Y, Z axes		
Safety	Safety Standards	IEC62368-1		
	Withstand Voltage	I/P-O/P: 3KVAC/1min		
	Isolation Resistance	I/P-O/P:100M Ohms / 500VDC / 25 C / 70% RH		
EMC	EMC Emission	Parameter	Standard	Test Level
		Conducted	FCC Part15(CISPR22)	CLASS B
		Radiated	FCC Part15(CISPR22)	CLASS B
Others	Packing	150g/pcs; 49.5 x 28.5 x 17.5 cm; 50pcs/carton		
	Dimension (LxWxH)	77.5 x 43.5 x 31.6 mm		
	Plug and Cable	See page 3; Other type available by customer requested		
	MTBF	188.3Khrs min.            MIL-HDBK-217F(25 C )		
Note	1. Tolerance: includes set up tolerance, line regulation and load regulation. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3.Line regulation is measured from low line to high line at rated load. 4.Load regulation is measured from 0% to 100% rated load. 5. All parameters NOT specially mentioned are measured at nominal voltage input, rated load and 25 C of ambient temperature. 6. De-rating may be needed under low input voltages. Please refer to “Static Characteristic” sections for details. 7. The power supply is considered as a component that will be operated in combination with final equipment.Since EMC performance will be affected by the complete installation, the final equipment manufacturers must re-qualify EMC Directive on the complete installation again.			

# YS25C-E SERIES

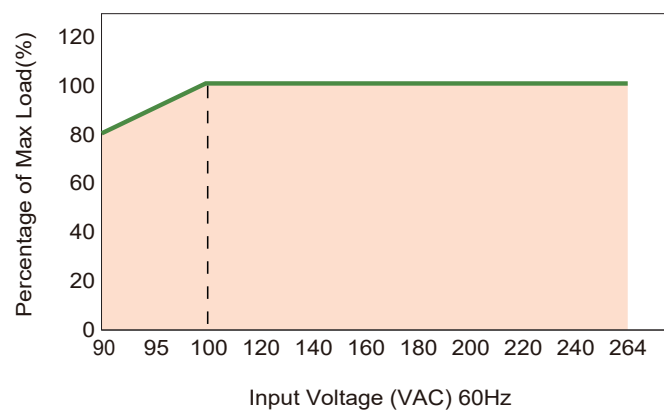
## 14.4W

### Feature Curves

#### 1. Derating Curve



#### 2. Static Characteristics



#### 3. Charging Curve

