

YS25C-E SERIES

14.4W

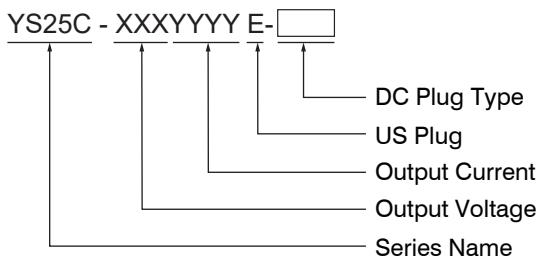


Features

- 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 < 0.1W
- 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

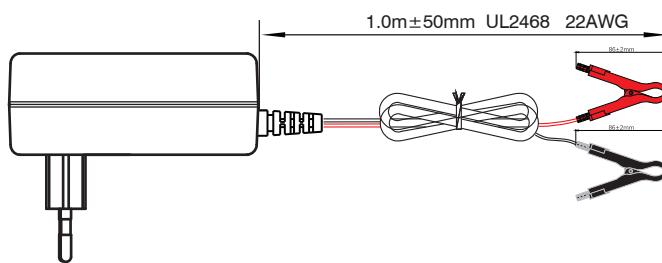


Model Description

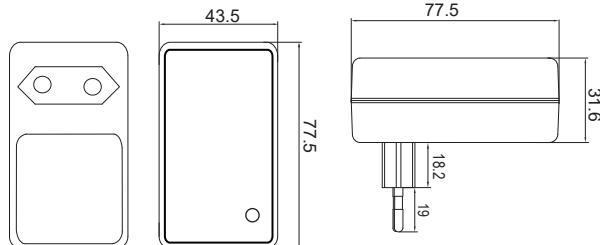


Dimensions and installation

(Unit: mm, tolerance: $\pm 1\text{mm}$)



Pin	Output
Red	V+
Black	V-



File last modification time: 2025-9-30

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Specification

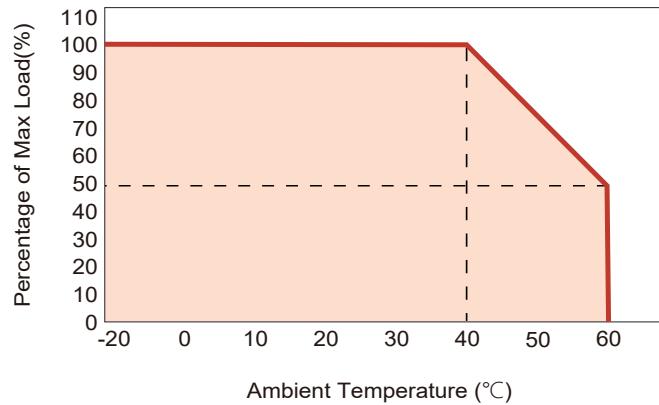
Model	Order P/N	YS25C-1441000E	
	Safety Model No.	YS25C-1441000E	
Output	DC Voltage	14.4V	
	Continuous Output Current	1.0A	
	Constant Current Voltage	8~14V	
	LED Indicator	Charging(CC): RED	Floating Charging(CV): GREEN
Input	Rated Voltage Range	100-240VAC	
	Voltage Range	90-264VAC	
	Frequency Range	50/60Hz	
	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.
	Working TEMP.	-20 ~ +60°C (Please refer to "Derating Curve" section)	
Ambient	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	
	Working TEMP.	-20 ~ +60°C (Please refer to "Derating Curve" section)	
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
		Conducted	FCC Part15(CISPR22)
		Radiated	FCC Part15(CISPR22)
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.		

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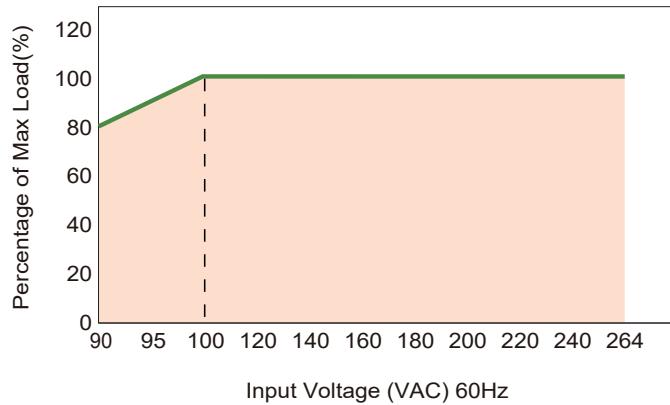
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Feature Curves

1. Derating Curve



2. Static Characteristics



3. Charging Curve

