

**FU-CP3000-24V** • Lead acid battery charger



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### 1. Input Part

Input Voltage	100-240Vac 50/60Hz
Input Cable	IEC-C8 2*0.75mm <sup>2</sup> AC cord 1.2m EU/US/UK/AU/Korea/JP AC plugs
Frequency	50/60Hz
No-load Input Power	<0.5Watts
Input Current	2.0A Max

### 2. Output part

Charge Mode	Automatic charge mode: CC--CV--Float mode
Rated output	Float voltage: 27.6Vdc (+/-0.4V), Top voltage: 29.2Vdc(+/-0.4V), Constant: 3A(+/-0.3A)
Constant Current (CC)	Constant current: 3A, Voltage range: 18-28.2Vdc
Constant Voltage (CV)	Constant voltage: 28.2-29.2Vdc, current: 3A drops to 0.6A
Float Mode	29.2Vdc drops to float volt: 27.6Vdc
Max Output Power	87.6 Watts
Cut-off current	0.6A(+/-0.15A)—20% CC
Efficiency	>=86%
Safety Protection	Over-current, Over-voltage, Over-load, Short circuit
Certification	CE FCC UKCA ETL SAA KC PSE ROHS

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### 3. General Properties

Ripple And Noise	Output voltage 1%, Ripple&Noise≤350mv
Leakage Current	0.5mA(max) at input 220VAC
Drop Test	single free drop from 0.75m to 0.3mm wood board for 6 times one cycle, components are not break off
Burn-In Test	100% load, 2hours
Strain Relief Bend Test	150g, +/-60 degree, 3000 times, 40 times/ per minute
MTBF	30,000 hours@ 25°C
Operating Temperature	-20--45°C
Storage Temperature	-40--75°C
Humidity Operation	+ 40°C and 90~95% Humidity

### 4. LED Indicator

Charging state (one LED)	Led display	Red--in charging
		Green--fully charged

### 5. LED Security Parameter

Withstand Voltage)	3000V/10S(P to S)
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(Hi-Pot)	3000V/10S(P to GD)	
Insulation Resistance	≥10MΩ	
Surface temperature	≤65°C	Working at 23°C

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### 6. Measures of Reliability

Spot check	Burn in 24h at 50°C	For all order
Full check	Burn in 2h at 50°C	For all order

### 7. Structure

Net weight	0.42Kg	
Size	139*62*35mm	L*W*H
Enclosure	Plastic case	

### 8. Charge curve: CC-CV-Float mode

