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professional *solutions*

FU-CP3000-24V • Lead acid battery charger



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1. Input specification

N°	Item	Unit	Specification	Remark
1	Rating input voltage	V ac	100~240Vac 50-60Hz	
2	Input voltage range	V ac	90~264Vac	
3	Rating input current	A	3.0Arms	
4	Max. input current	W	110W	

2. Output specification

N°	Item	Unit	Technical specification	Remark
1	Rating output voltage	Vdc	27.6V	
2	Output voltage range	Vdc	20VDC~30VDC	
3	Suit with battery type		24V 6.0~30.0Ah VRLA	
4	Charging current (stage1)	A	3.0±0.2@24V	
5	Charging voltage (stage2)	V	29.4V±0.2V	
6	Floating voltage (stage3)	V	27.6V±0.20V	
7	Cut-off current (stage2→3)	A	<0.60±0.05A	
8	Typical charging time	hour	8	
9	Max.output power	W	90W	
10	Hold-on time	ms	NC	Input:220Vac Output:Full load
11	Ripple current	mA	360	Input:220Vac Output:Full load
12	Charge finish condition		V>29V +I<0.6A	
13	LED color		Red:charging Green:finish/idle	
14	Output protect	-	OCP&OVP&Reverse input protection	
15	Efficiency	%	80%(min)	At max.load

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3. Environment

N°	Item	Unit	Technical specification	Remark
1	Operate temperature	°C	0~+40	Full load&natural convection
2	Operate humidity	%RH	20~90	Relative humidity, non-condensing.
3	Storage temperature	°C	-40~+70	
4	Storage humidity	%RH	10~95	Relative humidity, non-condensing.
5	Cooling	-	Natural convection	
6	Temperature factor	%	--	
7	Vibration resistance		5MM/50HZ/600S	Non-operating condition.
8	Impact resistance		1 meter drop test>=3 times	Non-operating condition.

4. Mechanical specification

N°	Item	Unit	Technical specification	Remark
1	Weight	g	100	
2	Size	mm	154.9X84.9X45.7	Casing only
3	Connectors	-	Defined when order	

5. Safety

N°	Item	Unit	Technical specification	Remark
1	Max.temperature rise	°C	<40 on casing	At any line and Max.Load
2	Safety standards	-	CE	
3	EMC standard	-	CE	
4	MTBF	hrs	40000	
5	Limited power source	VA	-	
6	ESD	Kv	8.0	
7	Hi-Pot Insulation	v	Input to Output:1800 (1 min.)	For final nuit,cut-off current=10mA