

CHAUMX12-6V-3A Battery Charger Specification

Ultramax SLA Charger Switch 6-12V 3A



● Input Data

ITEM	U	SPECIFICATION	REMARK
Rating input Voltage	V	100~240Vac 50/60Hz	
Input voltage range	V	90~264Vac	INPUT: 220V OUTPUT: Full load
Rating input current	A	0.8A	
Max. input power	W	55W	

● Output Data

ITEM	U	SPECIFICATION	REMARK
Rating output voltage	V	6.9Vdc & 13.8Vdc	
Output voltage range	V	5VDC~7.5VDC 10VDC~15VDC	
Suit with Battery type		6V&12V 7~20Ah VRLA	
Charging current(stage1) (I)	A	3.0±0.3@6&12V	
Charging voltage(stage2) (V _{max} , V _o)	V	7.2-7.5V 14.3-14.7V	
Floating voltage(stage3) (V)	V	6.7-6.9V 13.5-13.8V	
Cut-off (I _{min})	A	<0.60+0.2A	
Typical charging time	h	8	
Max. output power	W	45W	
Hold-on time	ms	NC	INPUT: 220Vac OUTPUT: Full load
Ripple current	mA	200	INPUT: 220Vac OUTPUT: Full load
Charge finish condition		V>7.0V +I<0.7A V>14.0V +I<0.7A	
LED color		Red: charging Green: finish/idle	
Output protect	-	OCP & OVP & Reverse input protection	
Efficiency	%	80%(min)	

● Environment

ITEM	U	SPECIFICATION	REMARK
Operate temperature	°C	0~+40	At any line and Max. Load
Operate humidity	%	20~90	
Storage temperature	°C	-40~+70	
Storage humidity	%	10~95	
Cooling	-	Natural convection	
Temperature factor	%	--	
Vibration resistance		5MM/50HZ/600S	For final unit, cut-off
Impact resistance		1-meter drop test>=3 times	At any line and Max. Load

● Mechanical

ITEM	U	SPECIFICATION	REMARK
Weight	g	350	
Size	mm	120x60x37	Casing Only
Connectors	-	Defined when order	

● Safety

ITEM	U	SPECIFICATION	REMARK
Max. temperature rise	°C	<40 on casing	At any line and Max. Load
Safety standards	-	EN60335-2-29	
EMC standard	-	EN55014	
MTBF	hr	40000	
Limited power source	V	-	
ESD	Kv	8.0	
Hi-Pot Insulation	v	Input to Output:3000(1 min.)	For final unit, cut-off

● IVoV Charging Graphs

