

CHAUMX24V-3A Battery Charger Specification

Ultramax SLA Charger 24V 3A



● Input Data

ITEM	U	SPECIFICATION	REMARK
Rating Input Voltage	V	100~240Vac 50-60Hz	
Input voltage range	V	90~264Vac	
Rating Input Current	A	0.8A	220Vac
Max. input power	W	120W	

● Output Data

ITEM	U	SPECIFICATION	REMARK
Rating output voltage	V	27.6V	
Output voltage range	V	20VDC~30VDC	
Suit with Battery type		24V 15.0~30.0Ah VRLA	
Charging current(stage1)	A	3.0±0.3@24V	
Charging voltage(stage2)	V	29.1V+0.3V	
Floating voltage(stage3)	V	27.3V+0.30V	
Cut-off current	A	<0.60+0.2A	
Typical charging time	h	8	
Max. output power	W	90W	
Hold-on time	ms	NC	INPUT: 220Vac OUTPUT: Full
Ripple current	mA	400	INPUT: 220Vac OUTPUT: Full
Charge finish condition	A	V>29V +I<0.6A	
LED color		Red: charging Green: finish/idle	
Output protect	-	OCP & OVP & Reverse input	
Efficiency	%	80%(min)	At max. load

● Environment

ITEM	U	SPECIFICATION	REMARK
Operate temperature	°C	0~+40	Full load & natural convection
Operate humidity	%	20~90	Relative humidity, non-condensing.
Storage temperature	°C	-40~+70	
Storage humidity	%	10~95	Relative humidity, non-condensing.
Cooling	-	Fan force cooling only when	Fan don't work when idle or fully charged
Temperature factor	%	--	
Vibration resistance		5MM/50HZ/600S	Non-operating condition.
Impact resistance		1-meter drop test>=3 times	Non-operating condition.

● Mechanical

ITEM	U	SPECIFICATION	REMARK
Weight	g	560	
Size	mm	152.5*63.0*45.0	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	-	CE	
EMC standard	-	CE	
MTBF	hr	40000	
Limited power source	VA	-	
ESD	K	8.0	
Hi-Pot Insulation	v	<40 on casing	

● IVoV Charging Graph

