

# ULTRA MAX<sup>®</sup>

## CHAUMX48V-2A Battery Charger Specification

### Ultramax SLA Charger 48V 2A



#### ● 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.

#### ● 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	160W	

#### ● Mechanical

ITEM	U	SPECIFICATION	REMARK
Weight	g	500	
Size	mm	152.5*63.0*45.0	Casing only
Connectors	-	Defined when order	

#### ● Output Data

ITEM	U	SPECIFICATION	REMARK
Rating output voltage	V	55.2V	
Output voltage range	V	40VDC~60VDC	
Suit with Battery type		48V 4.0~20.0Ah VRLA	
Charging current(stage1)	A	2.0±0.2@48V	
Charging voltage(stage2)	V	58.8-59.6V	
Floating voltage(stage3)	V	55.0-55.6V	
Cut-off current	A	<0.40+/-0.1A	
Typical charging time	h	8	
Max. output power	W	120W	
Hold-on time	ms	NC	INPUT: 220Vac OUTPUT: Full Load
Ripple current	mA	480	INPUT: 220Vac OUTPUT: Full Load
Charge finish condition	A	V>58V +I<0.4A	
LED color		Red: charging Green: finish/idle	
Output protect	-	OCP & OVP & Reverse input	
Efficiency	%	80%(min)	At max. load

#### ● 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	Input to Output:3000Vac (1 min.)	For final unit, cut-off

#### ● IVoV Charging Graph

