

Products Specification

Ultra Max Batteries

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38.4V 20.0A LiFePO4 battery charger

SPECIFICATION

PREPARE

CHECK

APPROVE

MODEL:	CHAUMXDC36V20A	Claudia		
ISSUE DATE:	2021/12/15			
COMMON/UNITE	DOC.NO:		REV: 1.0	PAGE:1 OF 1

Smart 2-Stages LiFePO4 Battery charger

ITEM

UNIT

SPECIFICATION

REMARK

INPUT

01	Rating Input Voltage	V ac	200~240Vac 50-60Hz	
02	Input voltage range	V ac	180~264Vac	
03	Rating Input Current	A	8.0Arms	220Vac
04	Max.input power	W	1000.0W	

OUTPUT

05	Rating output voltage	V dc	43.8V	
06	Output voltage range	V dc	0VDC~43.8VDC	
07	Suit with Battery type		38.4V LiFePO4 battery charger only	
08	Charging current(stage1)	A	20.0±2.0	
09	Charging voltage(stage2)	V	43.2-44.0V	
10	Cut-off current(stage1→2)	A	1-3A	
11	Typical charging time	hour	Fast charge 2hours Slow charge 5hours	
12	Max.output power	W	876.0W	
13	Hold-on time	ms	NC	Input:220Vac Output:Full load
14	Ripple current	mA	2000	Input:220Vac Output:Full load
15	Charge finish condition		I<3A	
16	LED1 color		Red,charger temperature is more than 50℃	
17	LED2 color		Red:charging Green:finish/idle	
18	Output protect	-	OCP&OVP&Polarity error protection	
19	Output voltage¤t display		Digital meter display,display the voltage¤t by switch	At max.load
20	Efficiency	%	80%(Typical)	At max.load

Environment

21	Operate temperature	℃	0~+40	Full load&natural convection
22	Operate humidity	%RH	20~90	Relative humidity,non-condensing.
23	Storage temperature	℃	-40~+70	
24	Storage humidity	%RH	10~95	Relative humidity,non-condensing.
25	Cooling	-	fan force cooling only when charging	
26	Temperature factor	%	--	
27	Vibration resistance		5MM/50HZ/600S	Non-operating condition.
28	Impact resistance		1 meter drop test>=3 times	Non-operating condition.

Mechanical

29	Weight	g	3500	
30	Size	mm	250*150*88	Casing only
31	Connectors	-	Defined when order	

Safety

32	Max.temperature rise	℃	<30 on casing	At any line and Max.Load
33	Safety standards	-	CE(EN62368-1:2014+A11:2017)	
34	EMC standard	-	CE(EN 55032,EN 55035)	

35	MTBF	hrs	40000	
36	Limited power source	VA	-	
37	ESD	Kv	8.0	
38	Hi-Pot Insulation	v	Input to Output:1800Vac(1 min.)	For final nuit,cut-off current=10mA

