

## NCM Smart Charger \_ Product Specification

CHAUMXNC12V20A

11.1V 20.0A Li-ion battery charger				
SPECIFICATION		PREPARE	CHECK	APPROVE
MODEL:	CHAUMXNC12V20A			
ISSUE DATE:	08/02/2011			
COMMON/UNITE	DOC.NO:		REV: 1.0	PAGE:1 OF 1
Smart 2-Stages Li-ion Battery charger				
	ITEM	UNIT	SPECIFICATION	REMARK
<b>INPUT</b>				
01	Rating Input Voltage	V ac	200~240Vac 50-60Hz	
02	Input voltage range	V ac	180~264Vac	
03	Rating Input Current	A	2.6Arms	220Vac
04	Max.input power	W	300.0W	
<b>OUTPUT</b>				
05	Rating output voltage	V dc	12.6V	
06	Output voltage range	V dc	0VDC~12.6VDC	
07	Suit with Battery type		11.1V Li-ion battery charger and capacity>20Ah	
08	Charging current(stage1)	A	18.0-22.0A	
09	Charging voltage(stage2)	V	12.4-12.8V	
10	Cut-off current(stage1→2)	A	1.7-2.3A	
11	Typical charging time	hour	Fast charge 2hours Slow charge 5hours	
12	Max.output power	W	252.0W	
13	Hold-on time	ms	NC	Input:220Vac Output:Full load
14	Ripple current	mA	500	Input:220Vac Output:Full load
15	Charge finish condition		I<2.3A	
16	LED color		Red:charging Green:finish/idle	
17	Output protect	-	OCP&OVP&Polarity error protection&Over temperature protection	
18	Efficiency	%	80%(Typical)	At max.load
<b>Environment</b>				
19	Operate temperature	℃	0~+40	Full load&natural convection
20	Operate humidity	%RH	20~90	Relative humidity,non-condensing.
21	Storage temperature	℃	-40~+70	
22	Storage humidity	%RH	10~95	Relative humidity,non-condensing.
23	Cooling	-	Fan force cooling only when charging	
24	Temperature factor	%	--	
25	Vibration resistance		5MM/50HZ/600S	Non-operating condition.
26	Impact resistance		1 meter drop test>=3 times	Non-operating condition.
<b>Mechanical</b>				
27	Weight	kg	2	
28	Size	mm	173.0*90.0*70.0	Casing only
29	Connectors	-	Defined when order	
<b>Safety</b>				
30	Max.temperature rise	℃	<40 on casing	At any line and Max.Load
31	Safety standards	-	CE(EN60335-2-29)	
32	EMC standard	-	CE(EN55014)	
33	MTBF	hrs	40000	
34	Limited power source	VA	-	
35	ESD	Kv	8.0	
36	Hi-Pot Insulation	v	Input to Output:3000Vac(1 min.)	For final nit,cut-off current=10mA