

GUDY ELECTRONICS LTD.

Tel: 86-755-27810525 Fax:86-755-27810505 Email:info@gudycharger.com Http://www.gudycharger.com

SPECIFICATION		PREPARE	CHECK	APPROVE
MODEL:	USED IN:			
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COMMON/UNITE	DOC. NO:		REV.: 1.0	PAGE: 1 OF 1

42V 1.8A (10Serial) Li-Ion Battery pack charger				
	ITEM	UNIT	SPECIFICATION	REMARK
INPUT				
01	Rating Input Voltage	V ac	100~240Vac 50/60Hz	
02	Input voltage range	V ac	90~264Vac	
03	Rating Input Current	A	1.3Arms	INPUT:220V OUTPUT:Full load
04	Max. input power	W	95W	
OUTPUT				
05	Rating output voltage	V dc	42V	
06	Output voltage range	V dc	30VDC ~42VDC	
07	Suit with Battery type		36V (10Serial) 4~12Ah Li-Ion	
08	Charging current	A	1.8A± 0.15	
09	Charging voltage	V	42V +-0.1V	
10	Cut-off current	A	0.10~0.2A	
11	Typical charging time	hour		For 8000mAH
12	Max. output power	W	80W	
13	Hold-on time	ms	NC	Input: 220Vac Output: Full load
14	Ripple current(RMS)	mA	100	Input: 220Vac Output: Full load
15	Charge finish condition		V>41V + I<0.2A	
16	LED color		Red: charging Green: finish/idle	
17	Output protect	-	OCP & OVP	
18	Efficiency	%	80%	At max. load
Environment				
19	Operate temperature	℃	-10 ~ +40	Full load & natural convection.
20	Operate humidity	%RH	< +90	Relative humidity, non-condensing.
21	Storage temperature	℃	-40 ~ +70	
22	Storage humidity	%RH	0 ~ +95	Relative humidity, non-condensing.
23	Cooling	-	Natural convection	
24	Temperature factor	%	--	
25	Vibration resistance		5MM/50HZ/600S	Non-operating condition.
26	Impact resistance		1 meter drop test >= 3 times	Non-operating condition.
Mechanical				
27	Weight	g	650	
28	Size	mm	170X71X51	Casing only
29	Connectors	-	Defined when order	
Safety				
30	Max. temperature rise	℃	< 40 on casing	At any line and Max. Load
31	Safety standards	-	EN60335-2-29 UL1310	
32	EMC standard	-	EN55014	
33	MTBF	hrs	30000	
34	Limited power source	VA	-	
35	ESD	kV	8.0	
36	Hi-Pot Insulation	V	i/p to o/p: 3000 (1 min.)	For final unit, cut-off current =10mA