

GUDY ELECTRONICS LTD.

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SPECIFICATION		PREPARE	CHECK	APPROVE
MODEL:	USED IN:			
ISSUE DATE :	7/21/2015 11:34:00 AM			
COMMON/UNITE	DOC. NO:	REV.: 1.0	PAGE: 1 OF 1	

36V(30Serial) 1.8A Smart NIMH Battery-Pack Charher

General Information

No.	Item	Unit	Specification	Remark
01	Rating Input Voltage	V ac	100~240Vac 50/60Hz	
02	Input Voltage Range	V ac	90~264Vac	
03	Rating Input Current	A	0.8Arms	INPUT:220V OUTPUT:Full load
04	Rating Input Power	W	95	
05	Trickle charge current (after main charge cut-off)	A	<0.1A	
06	Main charge current ripple	A	<0.15A	Input: 220Vac Output: CV 42V
07	Build-in Timer	Hour	8	
08	Main Charge Cut-off Conditions		dT/dt>=0.5 °C/min(TYP) or -ΔV >= 7mV /CELL(TYP) or Vmax>=1.6V/CELL or Tmax>=50+-2 °C or Time out	
09	LED Indication		RED: Main charge GREEN: Finish or idle GREEN LED FLASH: Errors	Error: Output short-circuit. Battery reversed, NTC errors.....
10	Output Short-circuit Protection Output Reverse Protection	-	yes yes	
11	Efficiency	%	>80%	At max. load
12	Operate Temp.	°C	-10 ~ +40	Full load & natural convection.
13	Operate Humidity	%RH	< +90	Relative humidity, non-condensing.
14	Storage Temp.	°C	-40 ~ +70	
15	Storage Humidity	%RH	0 ~ +95	Relative humidity, non-condensing.
16	Cooling	-	Natural convection	
17	Temp Fact	%	Less than 5%	
18	Vibration		5MM/50HZ/600S	Non-operating condition.
19	Impach		1 meter drop test >= 3 times	Non-operating condition.
20	Weigth	g	650	
21	Size	mm	170X71X51	Casing only
22	Input/Output Cable and Connecters.	-	AC plug: Defined when order DC plug: 3-pin type 1+ 2- 3NTC	Note: UL mark and CE mark can't be place on Lable at the same time, because AC plug is fixed on product.
23	Temp. Rise	°C	< 40 on casing	At any line and Max. Load
24	Safety Standard Meeted	-		
25	Safety Approvals passed	-	CE cUL	
26	ESD	kV	8.0	
27	HI-POT	V	i/p to o/p: 3000 (1 min.)	For final unit, cut-off current =10mA

Output parameters

28	Part number		602360018	
29	Rating output voltage	V dc	42V	
30	Output voltage range	V dc	30~50V	
31	Battery-pack Suited	Ah	36V 3~20Ah 30 Serial NIMH	
32	Main charge current	A	1.8A (± 0.2A)	
33	Max Output Power	W	85W	