

Products Specification

SPECIFICATION		PREPARE	CHECK	APPROVE
MODEL:	PU-1402	Rain	Steven	Wilstar
ISSUE DATE:	2008-5-3			
COMMON/UNITE	DOC.NO:		REV: 1.0	PAGE:1 OF 1
Smart 3-Stages SLA Battery 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	0.6Arms	220Vac
04	Max.input power	W	60W	
OUTPUT				
05	Rating output voltage	V dc	13.8V	
06	Output voltage range	V dc	10VDC~15VDC	
07	Suit with Battery type		12V 6~30Ah VRLA	
08	Charging current(stage1)	A	3.0±0.3@12V	
09	Charging voltage(stage2)	V	14.5V+0.2V	
	Floating voltage(stage3)	V	13.7V+0.15V	
10	Cut-off current(stage2→3)	A	<0.6+0.2A	
11	Typical charging time	hour	8	
12	Max.output power	W	45W	
13	Hold-on time	ms	NC	Input:220Vac Output:Full load
14	Ripple current	mA	200	Input:220Vac Output:Full load
15	Charge finish condition		V>14V +I<0.6A	
16	LED color		Red:charging Green:finish/idle	
17	Output protect	-	OCP&OVP&Polarity error protection	
18	Efficiency	%	75%(min)	At max.load
Environment				
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	-	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	400g	
28	Size	mm	120.0x60.0x38.0	Casing only
29	Connectors	-	Defined when order	
Safety				
30	Max.temperature rise	℃	<40 on casing	At any line and Max.Load
31	Safety standards	-	UL1310,EN60335-2-29,SAA	
32	EMC standard	-	FCC part15,EN55014,C-TICK	
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 cut,cut-off current<10mA