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

1PAA560 48V Lead-Acid Battery charger				
	ITEM	UNIT	SPECIFICATION	REMARK
INPUT				
01	Rating Input Voltage	V ac	100~120Vac 50/60Hz	
02	Input voltage range	V ac	90~132Vac	
03	Rating Input Current	A	3.0Arms	INPUT:100V OUTPUT:Full load
04	Max. input power	W	170	
OUTPUT				
05	Rating output voltage	V dc	56V	
06	Output voltage range	V dc	40VDC ~ 60VDC	
07	Suit with Battery type		48V 14~20Ah	
08	Charging current (stage 1)	A	2.5+ \pm 0.15A@50V	
09	Charging voltage (stage 2)	V	58.7V \pm 0.3V	
	Floating voltage (stage 3)	V	55.6V \pm 0.4V	
10	Cut-off current(stage 2 \rightarrow 3)	A	<0.6 \pm 0.06A	
11	Typical charging time	hour	10	
12	Max. output power	W	150W	
13	Inner timer	hour	3.0 hours @ I<1.3A	Input: 100Vac Output: Full load
14	Ripple current	mA	200	Input: 100Vac Output: Full load
15	Charge finish condition		V>58V + I<0.6A or timer out	
16	LED color		Red: charging Green: finish/idle	
17	Output protect	-	OCP & OVP	
18	Efficiency	%	80%	At max. load
Environment				
19	Operate temperature	°C	-10 ~ +40	Full load & natural convection.
20	Operate humidity	%RH	< +90	Relative humidity, non-condensing.
21	Storage temperature	°C	-40 ~ +70	
22	Storage humidity	%RH	0 ~ +95	Relative humidity, non-condensing.
23	Cooling	-	Fan cooling	
24	Temperature factor	%	--	
25	Vibration resistance		5MM/50HZ/600S	Non-operating condition.
26	Impact resistance		-	Non-operating condition.
Mechanical				
27	Weight	g	570	
28	Size	mm	187X99X61	Casing only
29	Connectors	-	Defined when order	
Safety				
30	Max. temperature rise	°C	< 40 on casing	At any line and Max. Load
31	Safety standards	-	UL1310	
32	EMC standard	-	-	
33	MTBF	hrs	10000	
34	Limited power source	VA	-	
35	ESD	kV	4.0	
36	Hi-Pot Insulation	V	i/p to o/p: 1500 (1 min.)	For final unit, cut-off current =10mA