

PRODUCTS SPECIFICATION
PCCG-SLA12V300 SMART 3-STAGES
VRLA BATTERY CHARGER



	ITEM	UNIT	SPECIFICATION	REMARK
Input	Rating input voltage	V ac	100~240Vac 50/60Hz	
	Input voltage range	V ac	90~264Vac	
	Rating input current	A	0.2 arms	Input: 220V; Output: full load
	Max. input power	W	18	
Output	Rating output voltage	V dc	13.8V	
	Output voltage range	V dc	10VDC ~ 15VDC	
	Suitable with battery type		12V 4~7Ah VRLA	
	Charging current (stage 1)	A	0.3± 0.1@12V	
	Charging voltage (stage 2)	V	14.75V +-0.25V	
	Floating voltage (stage 3)	V	13.75V+-0.25V	
	Cut-off current(stage 2→3)	A	<0.03-0.1A	
	Typical charging time	hour	8 hours	
	Max. output power	W	14W	
	Hold-on time	ms	NC	Input: 220Vac; Output: full load
	Ripple current	mA	80	Input: 220Vac; Output: full load
	Charge finish condition		V>14V + I<0.03A	
	LED color		red: charging; green: finish/idle	
	Output shorted protection	-	Yes	
	Output reversed protection		Yes	
Efficiency	%	>75%	at max. load	
Environment	Operating temperature	°C	-10 ~ +40	full load & natural convection
	Operating humidity	%RH	< +90	relative humidity, non-condensing
	Storage temperature	°C	-40 ~ +70	
	Storage humidity	%RH	0 ~ +95	relative humidity, non-condensing
	Cooling	-	natural convection	
	Temperature factor	%	-	
	Vibration resistance		5MM/50HZ/600S	non-operating condition
	Impact resistance		1 meter drop test >= 3 times	non-operating condition
Mechanical	Weight	g	150	
	Size	mm	81X51X28	casing only
	Input/Output cord & terminals	-	defined by user	
Safety	Max. temperature rise	°C	< 40 on casing	at any line & max. load
	Safety standards	-	GB4943 EN60950 UL1950	
	EMC standard	-	NC	
	MTBF	hrs	30000	
	Limited power source	VA	-	
	ESD	kV	8.0	
	Hi-Pot Insulation	V	i/p to o/p: 3000 (1 min.)	for final unit, cut-off current =10mA