

PRODUCTS SPECIFICATION
PCCG-12V5000 12V LEAD-ACID
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	1.5 arms	Input: 100V; Output: full load
	Max. input power	W	95	
Output	Rating output voltage	V dc	13.8V	
	Output voltage range	V dc	10VDC ~ 15VDC	10~22V at recovery mode
	Suitable with battery type		12V 18~90Ah VRLA	
	Charging current	A	5A± 0.2A	
	Bulk charging voltage limit	V	14.4V +-0.15V; 14.7V+-0.15V	14.7 for low temperature
	Floating charge voltage limit	V	13.7V+-0.15V	
	Desulphate recovery voltage	V	-	not including
	Desulphate recovery current	A	-	not including
	Max. output power	W	80W	
	Typical charging time	hour	8~ 10	for 40Ah VRLA battery
	Ripple current	mA	200	Input: 230Vac; Output: full load
	Charge mode		auto 4 stages (MCU build-in)	
	LED indicator		red: charging; green: finish/idle flashing: error(shorted or reversed)	see user manual
	Output shorted protect	-	yes	
Output reversed protect		yes		
Efficiency	%	83%	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	
	Impact		1 meter drop test >= 3 times	non-operating condition
Mechanical	Weight	g	650	
	Size	mm	190X100X60	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 EN60335 UL1310	
	EMC standard	-	T.B.D.	
	MTBF	hrs	30000	
	ESD	kV	8.0	
	Hi-Pot Insulation	V	i/p to o/p: 3000 (1 min.)	for final unit, cut-off current =10mA