SOLAR PCU WITH PWM TECHNOLOGY



S.PCU is a Dsp/ Micro controller based Solar-Grid Power Conditioning Unit which is programmed with grid electricity elongated back-up time and PWM/MPPT change gossessing smart changing profile for all type all types of batteries



geothermal energy, wave energy etc. Out of all these resources solar energy is found in abundance, and

Solar Power Conditioning Unit IS-PCUI is an intelligent solar inverter

provide power from batteries only when both soler and grid power The PCU continuously requitors the status of battery, solar panel

solar power is low compared to the load requirement

Petrol Pursos, Marhines, Small Scale, Industries, Malls, Restaurants & Hotels, Ranks, Clinics, Etithee & Home Applicance, Whishing Ridges & many more

		TECHNICAL SPEC				
Parameters		Solar UPS(PWM HOME PCU)				
Model	Units	2.5k36V	2.5k/48V	38/48/7	5k/48V	
Rating		2000VA	2000VA	3000VA	5000VA	
Charge controller Max Amp	A	50				
Solar Voltage(Min-Max)	VOC	32-00	64-120	64-120	64-120	
Max PV Power	W	1500	1800	2550	3000	
Cell Support	"	60/72	80/72	6072	60/72	
Our copport		PWW Rased Charge	Controller	90072	00/12	
Switching Element	MOSFET					
Type of Charger		CVCC_PWM				
Efficiency	95%					
		Eatley				
Low cut off	1 1			+/- 2%		
Low Buzzer	1 v 1			+/- 2%		
High out off						
Boost Charging Volt by Grid		14.5 +/- 2%				
Charging Voltage by Solar		A 14.5 +/- 2% A 10 +/- 2%				
Charging current by Grid	Α	Dist	10	i)- 2%		
No of Phase		0.4	1Phase-	Wm PNE		
Voltage range	100-200(Inverter)					
	180-290(UPS)					
Frequency range	Hz		4	5-55		
Micro-Controller		Evieter	32.81.058.0	Honorkio & STI		
Output Writage	32 BLDSP (Morochip & ST) V 220 4/- 2%					
Phase	1Phase-7Win PN E					
Cutout Waveform						
Frequency	Digitally Filtered Pure Sine Wave					
	100			Lord - 1Min		
Overload						
	1000 1000					
	Load-Short circuit					
Switches	System CN/OFF Hybrid / PCU / Smart Mode					
Switches	Inverter / UPS Mode					
Led Indication	Inverter ON, Mains ON, Battery Low / High, Overload, SPV: Charging					
Alarm	Battery Low, Overload, Charger ON, Investor ON					
	Quartosid Short Circuit Protection, Core Voltage, SEC Supp. and Translant					
Protection	protection (MOV Variators), Reverse Polarity of Battery, Over Temperature Protection, Under voltage and Over Voltage Protection					
		LCO Display Par		and Over Yorking	e Protection	
hrut		LOO LANGUNG PORC		and Francisco		
Output	Voltage, Current, Frequency Voltage, Current, Frequency					
Lord	Load in % Actual Running Load in Watt					
	Battery Level & Battery Voltage, Charging Current by Grid/Solar.					
Bettery	Charging Stages/Soft Start, Bulk, Absorption, Float & Equalized					
Solar	Solar Voltage, Charging Current by Solar, Charging Stages (Soft Start,					
		Bulk, Absoption, Floet & Equalize)				
Status and Faults	Overheet, Mains High / Low, Inverter On/Orf, SPV Status Low /High, Output Low, Battery Low/ High					
		Other				
Cooling	Forced Air Cooling(Terrip Controlled)					
Operating Temp	C 0.60					
Operating Humidity	5	+ 0		95	e to continuous R	
		- 5	peumoation ma	iy unange ou	e io condinuous R	
IMPEX LIMITED)	CONTRACTOR	CE liste less	Authorised De	úer	
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