SOLAR PCU – 6000VA

SOLAR PCU Technical Specification			
Model			**6000VA**
Inverter Output	Wave Form		Sine Wave
	Technology		Microcontroller dSPIC (PWM) Based with Bridge Type
	Out Put Voltage (AC)		230VAC ± 1%
	Output Frequency		50Hz± 1%
	Output Power		4800W
	Power Factor		0.8
	Efficiency (%)		>85%
	Distortion (THD)		< % 5 on Resistive Load
	Forced Ventilation		Through Cooling FAN
	Nominal Input Voltage (VDC)		96VDC
	Battery Low Voltage Warranting		80.00V
	Battery Low Voltage CUTOFF		72.00V
	Load Reconnections (INPUT VDC)		108.00V
	Battery Reverse Polarity		Through DC MCB
	Over Load Protection		120%, <30 Seconds
	Output short circuit		Retry for 5 times & permanently Output OFF
	Over Heat Protection		>85°C Output OFF
Grid Charging & By Pass Mode	Grid Charging Current		10A (Optional)
	Solar or Grid Charge End Voltage		Solar or Grid Charging Stops when battery reaches 108.00V DC and transfer to BACKUP (SOLAR MODE)
	Grid Re-connect		Grid Power Re- Connected to load when battery Voltage is < 88.00VDC
	Grid to UPS & INV Mode Transfer Time		Grid to BACKUP in UPS MODE 10mSec BACKUP to Grid in UPS MODE 15mSec Grid to BACKUP in INV MODE 40mSec BACKUP to Grid in INV MODE 15mSec
Grid Input (AC) Window (UPS Mode)	Grid Input Low Cut		<190VAC
	Grid Input Low CUT Recovery		>200VAC
	Grid Input High CUT		>270VAC
	Grid Input High CUT Recovery		<260VAC
Grid Input (AC) Window (INVMODE)	Grid Input Low CUT		<160VAC
	Grid Input Low CUR Recovery		>170VAC
	Grid Input High CUT		>270VAC
	Grid Input High CUT Recovery		<260VAC
Solar Charger Controller	Type		Series Regulator Common Positive
	Maximum Input PV Voltage (Voc)		176V DC
	Solar Array		Multiple
	Maximum Charging Current		60A
	Bulk Voltage		115.20VDC Per Battery
	Float Voltage		110.40VDC Per Battery
	Protection		Battery Over Charge Cutoff/PV Reverse/Battery Reverse
Display			Solar Charger/Battery Voltage/mains VAC/ Output VAC/ Wattage of load/Low Battery/ Low Battery CUT/ Over Load/Short Circuit
Overall	Temperature		0-50°C
	Humidity		0-95% Non Condensing
	Dimensions (LxWxH)mm		370x750x475
	Weight		70kgs
*** Due to Continuous Development Specifications is Subject to Change without Notice.			