

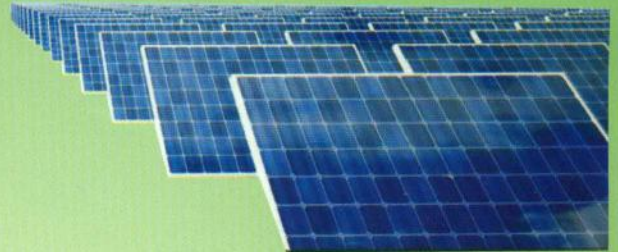
It runs with
the Sun

PowerCom



Be Smart Be Green

Pure SW Solar Inverter



Solar Energy Solution for Bangladesh

Committed to a brighter, greener future, A Global reputed company has invested heavily in R&D to develop affordable solar power technology. This company offers ODM support to Power Control and Management (PowerCom) for the Bangladesh market penetration of low and higher kVA Solar Inverters. Various high efficiency, low cost solar power solutions are offered for specialized applications like Solar ATM Packs for remote areas.

Solar Inverters

Pure Sine Wave Solar Hybrid Inverters allow you to eliminate disturbances due to power cuts. They are cost-effective, easy to install and good for the environment! These Pure Sine Wave inverters are made with the advanced ASIC technology, and ensure 100% safety of appliances, and also help conserve electricity.

Salient Features

- Sine Wave Output with Low total Harmonic Distortion (THD)
- Very low idle current (less than 1 watt)
- Uninterrupted power for computers no reboots during power cuts
- DSP Based Intelligent Control Circuit and DSP Based Smart Charger **Five Stage Battery Charger** Ensures longer battery life
- User friendly LED Display (Message and Faults) / LCM optional
- User selectable charging current with high charging option and also User selectable UPS and Normal mode
- Smarter Overload Sense, Short Circuit Protection & Reverse polarity protection
- High surge withstand capability (upto 300%)
- Battery and Load State Monitoring
- Automatic Power Factor Correction
- Generator Compatible
- Charging from solar (PV) **(Optional)**

Power Control & Management

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TECHNICAL SPECIFICATION FOR STATIC HYBRID INVERTER

MODELS	PCM-SW-XXKYYV	1KVA/24V	1.5KVA/48V	2KVA/48V	3KVA/48V	5KVA/48V
DC Bus		24 V	48V	48V	48V	48V
SOLAR PANEL(WATT)	MAX (UPTO)	1250	2000	2500	4000	6500
A.C INPUT	Voltage	130V - 280V				
	Frequency	50HZ \pm 3.0Hz				
	Phase	1 Phase,3 Wire				
SOLAR PV MODULE	Reverse Battery PV protection	YES				
	Solar PV Charging efficiency	>90%				
	Change over time	Mains to SPV + batt. Or SPV batt. To main < 100m Sec.				
BATTERY	Charging voltage	DC(V) + 20 %				
	Trickle voltage	DC(V) + 10 %				
	Low Batt. Cut off	DC(V) - 20 %				
	Battery over voltage & overcharging protection	YES				
	Battery Discharged	1st Priority : SPV power only - 10% ~ 15% of battery AH				
	Battery Charging Mode	2nd Priority : Shared with input mains if SPV does not provide sufficient power				
MAX OUTPUT LOAD	Output At no load	220V \pm 5% / 50Hz \pm 0.5Hz				
	On Solar PV only	80 % of the PV PANEL WATT				
	On Batt + Solar PV	200 % of the PV PANEL WATT			150 % of the PV PANEL WATT	
	On Grid	200 % of the PV PANEL WATT			150 % of the PV PANEL WATT	
OUTPUT	Output wave from	Pure sine wave				
	Total Harmonic Distortion	<3% A Resistive load				
	Surge Current Capacity	Up to 300% for one cycle				
	Overload	Auto start 6 times At 110% ~ 125%				
	Efficiency At Batt. Mode	>85%				
PROTECTION		Overload , Low battery , Short circuit				
DISPLAY (LCD DISPLAY 16*2) OPTIONAL		Mains Status , Overload , Low batt. Short circuit , Mains MCB trip , O/p freq , O/p load %				
TECHNOLOGY		Stand Alone Microcontroller Based Hybrid Design				
ENVIRONMENTAL PARAMETER						
OPERATING TEMPERATURE		0 - 45 degree C				
ACOUSTIC NOISE AT 1MTR		< 55 DB				
RELATIVE HUMIDITY		Max 95% non - condensing				
DIMENSION (mm) (L x W x H)		Customized		Customized		Customized
GROSS WEIGHT (kg)						

* XX- Capacity in KVA, YY- System Voltage * The technical specification are subjected to change without prior notice.

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