

GENERATE SOLAR POWER ON YOUR ROOF TOP CONTRIBUTE TO GREEN ENERGY SOLUTIONS



Save Electricity & Money
Upto 80%

Features :

Solar Inverter with ISPCU : Very High efficient hybrid Inverter DSP software based Pure sine wave PWM Mosfet/IGBT driven technology with Intelligent solar Power Conditioning Unit to keep the track on all parameters to utilise maximum solar power by fully automatic change over to share the load on priority solar & battery back up without much losses & bypass to grid during cloudy weather without manual operation.

Charge Controller : Intelligent MSP super charger with high efficiency while charging from grid & MPPT/zero drop based heavy duty float cum boost charger's used while charging from Solar PV Modules.

Battery : Solar Compatible very low Maintenance Lead Acid tubular /Maintenance free batteries for energy storage utilised for enhanced back up power.

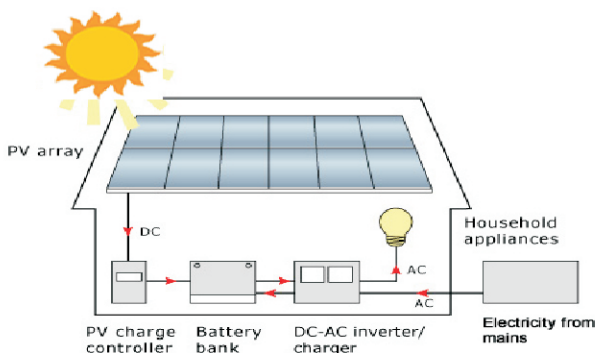
Solar P V Modules : Reputed Brand poly crystalline or Mono crystalline modules used to get maximum power as per the solar Inverter Capacity & specifications.



Go green save planet earth

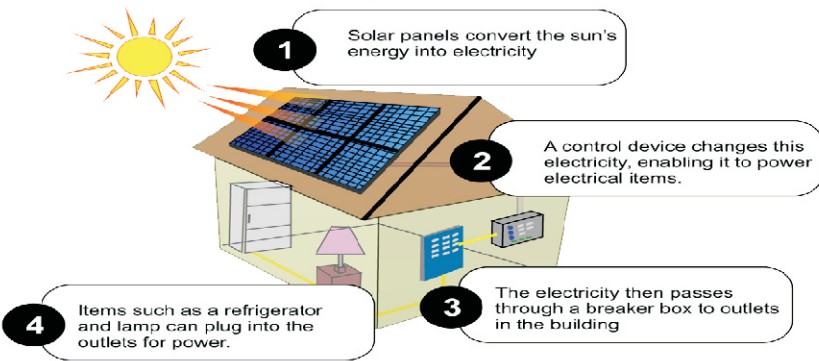
Applications :

Homes & Apartments
Petrol bunks & Hospitals
Hotels, Schools, Corporate Offices
& Industries, Agricultural Pumps Etc.,



An ISO 9001:2015 Certified Company

How solar power works



System Description :

Solar Photo Voltaic Modules generate DC Power in proportion to the amount of sunlight available at a normal angle. the generated DC power is supplied to the solar ISPCU which converts DC to AC Power will be supplied online to the connected load

Working Technology :

The ISPCU works in auto mode on priority solar supply online solar power as 1st priority and stored battery back up as 2nd priority & takes grid power as 3rd priority.

Technical specifications

MODELS	ISP-CU HU	ISP-CU HE	ISP-CU MSS	ISP-CU MTS	ISP-CU MTT
RATING	650VA - 2KVA	.5KW - 10KW	3KW - 10KW	3KW - 30KW	6KW - 80KW
VARIANTS	1 ϕ - 1 ϕ	1 ϕ - 1 ϕ	1 ϕ - 1 ϕ	3 ϕ - 1 ϕ	3 ϕ - 3 ϕ
BATTERY VOLTAGE	12V DC - 24V DC	24V DC - 360V DC	72V DC - 360V DC		
SOLAR PV IN-PUT					
SPV Voltage	19V DC - 34V DC	19V DC - 600V DC	100V DC - 600V DC		
Max spv Current	25 Amp	150 Amp	100Amp - 200 Amp		
Charging Technology	Zero voltage Drop	MPPT	MPPT / MPWM with IGBT		
Reverse Polarity Protection	MOSFET	Diode	Diode		
Solar Charger Efficiency	70%	96 %	96 %		
Sharing method	Battery / Grid Sharing				
Configuration	Parallel Operation				
INVERTER					
IN-PUT Voltage window	INV. Mode 140V AC - 280V AC UPS Mode 170V AC - 265V AC	170V AC - 270V AC	330V AC - 470V AC		
IN-PUT Frequency	50Hz +/- 5%				
Inverter Technology	Dspic based PWM with MOSFET		Double conversion EEPROM based PWM using IGBT		
Output Voltage / Frequency	230V AC / 50Hz				
Power Factor	0.8 lag				
Transfer Time	6 - 12ms		0 sec NA		
Over load capacity	100% Continuous : 130% - 10sec		110% -1min: 150% - 1sec		
Crest factor	NA		3:1		
Efficiency inverter	>92%		> 90%		
Overall Efficiency	>90%		>85%		
Protections	Under voltage / Over voltage / Over charging / Battery low / Over load / Short circuit.				
LCD Display Indications	Input voltage / Output voltage / Battery voltage / Charging current / Solar charging / Load.				
BATTERY					
Charging Technology on mains	Advanced MSP Super Charger		Advanced APFC with IGBT		
Charging Type on Solar Mode	Zero Drop	MPPT	Float cum boost Charger		
Charging Time	10 % of the rated AH of Battery				
Protections	Deep Discharge & Overcharging				
ENVIRONMENT					
Operating temperature	0°C to 40°C				
Relative humidity	0 - 95% non condensive				
Acoustic noise	< 40db				

Due to continuous product improvement the specifications are subject to change without Notice



Solar ISPCU



Solar Tubular Battery

Manufactured by :

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Our other products :

DSP Sine wave home UPS, Stabilisers, Batteries, On- line ups, Lift Invertes

Dealer :