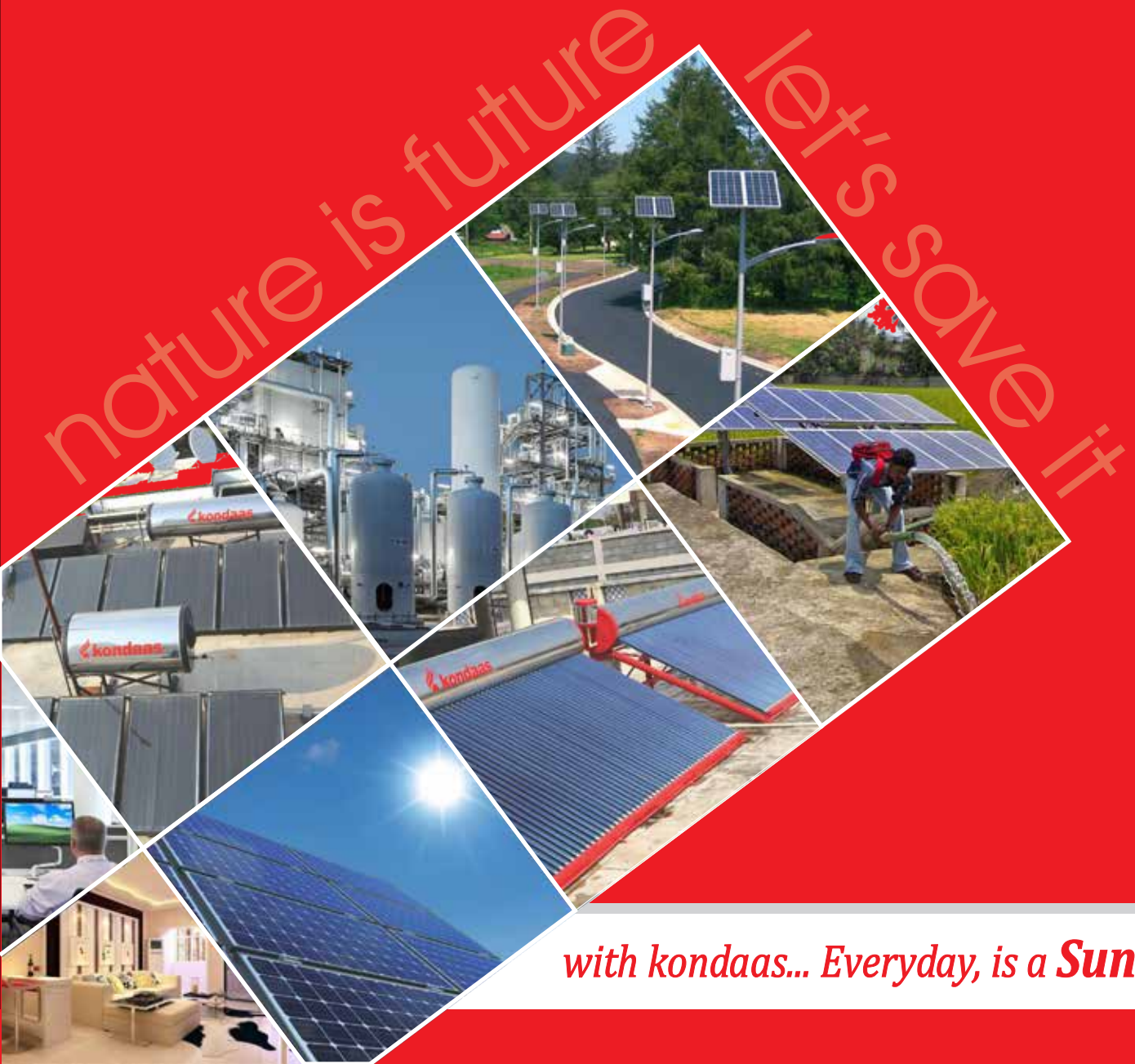


kondaas[®]

prompt - dependable - quality



nature is future let's save it

with kondaas... Everyday, is a **Sun** day...

*with kondaas... Everyday, is a **Sun** day...*

P R O F I L E

With over 100,000 users, and 2 decades of experience, Kondass , is the leader in Solar products, UPS systems and servo stabilizers.

Kondaas products are conceived and developed at world - class R&D center and manufactured at our state -of -the-art plant on completely automated process.

Every day, the products, we manufacture, Service and distribute, accelerates and energizes, businesses, Industries , homes , hospitals and schools and elevates the quality of life.

Combining deep local insights, and a relentless commitment to operational excellence and values.

We help our customers to grow through reliable UPS and Solar System. We operate in extremely diverse markets, ranging from a small ups to power one computer or one small hut to large machineries or an entire Hospital . Everywhere we operate, we believe that dependable Power Systems is essential to human progress and to advancing economic growth, public health and security.





*Kondaas, one of the largest
Solar Products and UPS ,
manufacturing and distribution Company ,
founded in the Year 1995 ,
has a product for every application , We
have been solving customer problems and
providing excellent power solutions for more
than 100,000 customers over the last two
decades. We are committed to become the
largest brand, providing Solar solutions in
India .To achieve our goal , as the most
remarkable player in this field , kondaas will
continue to invest in its people ,
process and systems .*

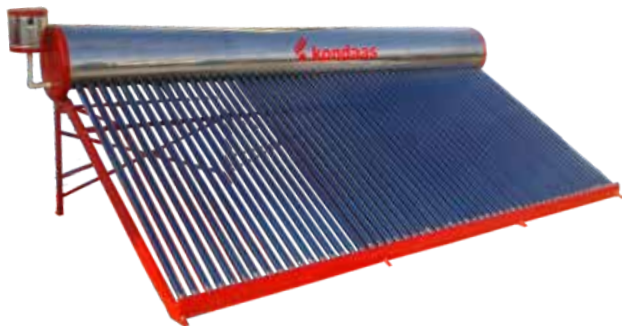
Solar Energy





Technical information Kondaas ETC Model

Length (Nominal)	1500 mm-1800 mm
Outer tube diameter	47 mm-58 mm
Inner tube diameter	37 mm-47 mm
Glass thickness	1.6mm-2.0mm
Material	Borosilicate glass 3.3
Absorptive coating	Graded A1/N/A1 ALN/AINSS/CU
Vacuum	P 5 10-3 Pa
Thermal expansion	3.3 10-6/0C
Stagnation temperature	>2500C
Absorbance (AM 1.5)	>93 % (A1/N/A1) / >96 % (ALN/AIN-SS/CU)
Emittance (800C/1760F)	<8 % (A1/N/A1) / <5 % (ALN/AIN-SS/CU)
Heat loss	<0.8W/(m ² °C)
Start up temperature	<= 25°C (77°)



Solar Water Heater ETC Evacuated Tube Collector

Kondaas offers complete range of solar water heaters at par with International quality standards. Advanced Evacuated Tube Collector models(ETC). Traditional Flat Plate Collector Models (FPC). Pressurised and Non-pressurised Models to meet specific requirements. Domestic Range starts from 100 lpd to 500 lpd. Project Range starts from 1000 lpd & above. Prompt & Quality Service.

Suitable for: Houses, Apartments, Hotels, Resorts, Hospitals, Hostels, Processing Industries, Boiler Feed Water & Canteens.

Advantages-ETC

- Advance Non Welding Technology to handle HARD Water Problems
- High Performance ETC Collectors – Best Temperature Output even @ Cloudy Days
- Advanced Non vent Design – To avoid air pipe cost and related problems
- Superlative high density PUP insulation for Long Hour Heat retention
- Premium Marine Grade Stainless Steel for longer Life
- Turbulence preventer- avoid hot and cold water mixing

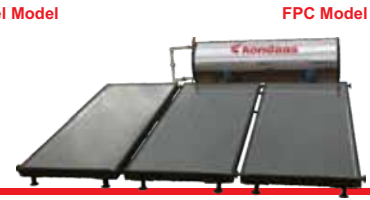
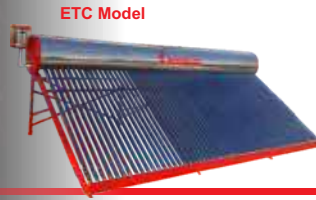
Solar Industrial Water Heater Flat plate collector



FPC Models Technical Specification

Absorber material	: Electro Grade-Copper-Copper.
Absorber Coating	: Selectively coated continuous electroplating of Black. Chrome over nickel substrate on copper sheet. with Heat treatment to withstand temperature. Up to 300 deg C. Absorptivity=0.96+/-0.02, Emissivity = 0.12+/-0.02.
Riser	: Copper Tube - Dia 12.7 mm x 0.54 mm Thick
Header	: Copper Tube - Dia 25.4 mm x 0.71 thick
Bonding between Fin & Tube	: Ultrasonic/Tig
Back Insulation	: Resin Bonded Rock wool of 48 Kg/mc, thickness 50mm.
Side insulation	: Polyurethane / Rockwool of thickness 25mm.
Collector Box	: 2000mm x 1000mm x 100mm
Collector Bottom Sheet	: Aluminum/G.I of Thickness 0.71mm.
Glass	: 4mm thick Hardened & toughened (tempered glass)/ Textured Glass
Insulation	: Rock wool - 50mm thick
Side Insulation	: PUF - 25mm thick all round
Internal lining	: Aluminium foil - 30 micron
Fin Coating	: NALSUN - Black selective coating with > 93% absorptivity
Box Material	: Aluminium extrusion
Back sheet	: Aluminium / GI sheet riveted firmly to box frame
Number of fins	: 9
Connectors	: Brass flange / Threaded connectors at all ends
Flange	: 4 inches

WIDEST RANGE OF SOLAR WATER HEATERS



Glass Enamel Model

Features

- Glass Enameled tank (Spring and Ultra Models)
 - High Selective Blue Solar Absorber
 - Laser Welded copper tubes to absorber
 - High transmission Solar Glass
 - Powder coated structure
 - Brass pipe connections
 - Safety valve (Spring pressurised and Ultra models)
 - Glycol-water* mixture heat exchanger fluid with special corrosion inhibitors.
- *Ultra models

Advantages

- Corrosion Resistant, Clean, Hygiene and Safe
- Very Efficient and long lasting
- Very strong and efficient bonding with good heat transfer characteristics
- More radiation is allowed to impinge on the absorber, so more solar energy converted to heat.
- Long lasting, corrosion resistant
- Leak proof, corrosion resistant, long lasting
- Fully imported from Europe, reliable and long lasting
- All weather performance and long lasting.

TECHNICAL SPECIFICATION

Hot water storage tank specifications	SPRING	ULTRA	VALUE
Material of storage tank	Glass enamel coated	Glass enamel coated	Stainless Steel 304
Insulation	CFC free PUF - Thickness : 50mm	CFC free PUF - Thickness : 50mm	CFC free PUF - Thickness : 50mm
Outer cladding	Pre-coated steel (RAL7035)	Pre-coated steel (RAL7035)	Pre-coated steel (RAL7035)
Safety valve	Airvent for thermosiphon & 6 bar pressure relief valve for pressurised system	Airvent for thermosiphon & 6 bar safety valve for pressurised system	Airvent
Electrical backup heater	2 kW backup heater / 220 V AC	2 kW backup heater / 220 V AC	2 kW backup heater / 220 V AC
Working Pressure	6 bar for pressurised system	6 bar for pressurised system	Atmospheric
Tank construction	-	Jacket type heat exchanger	-
Tank protection	Aluminium anode	Aluminium anode	Aluminium anode with in-built replacement provision
Tank capacity	100, 200, 300 and 500 LPD	100, 200, 300 and 500 LPD	100, 200, and 500 LPD
Collector specifications			
Absorber construction	Single sheet absorber	Single sheet absorber	Single sheet absorber
Absorber coating	High selective coating absorptivity : 0.95 +/-0.02 Emmissivity : 0.047 +/- 0.02	High selective coating absorptivity : 0.95 +/-0.02 Emmissivity : 0.047 +/- 0.02	High selective coating absorptivity : 0.95 +/-0.02 Emmissivity : 0.047 +/- 0.02
Riser	Copper, 12.7mm	Copper, 12.7mm	Copper, 12.7mm
Header	Copper, 25.4 mm	Copper, 25.4 mm	Copper, 25.4 mm
Bonding - header and riser	Brazing	Brazing	Brazing
Bonding - absorber and harp	Lazer welding	Lazer welding	Lazer welding
Back insulation	Rockwool density : 48 kg/m ³ Thickness : 50 mm	50mm Rockwool with Owens Corning black sheet	Rockwool Density : 48 Kg/m ³
Collector material	Extruded aluminium with gray colour powder coating	Extruded aluminium with gray colour powder coating	Extruded aluminium with gray colour powder coating
Collector back sheet	Aluminium	Aluminium	Aluminium
Glazing	Solar glass	Solar glass	Solar glass
Retainer beading for glass	Extruded aluminium with gray power coating (RAL 7037)	Extruded aluminium with gray power coating	Extruded aluminium with Blue colour power coating
Rubber beading for glass	EPDM Rubber	EPDM Rubber	EPDM Rubber
Heat exchange medium	NA	Glycol mixture (Primary circuit)	NA
Weight of collector (dry)	32 kgs	32 kgs	32 kgs
Maximum working pressure	10 bar	10 bar	10 bar
Mounting system (Stand) - Material	Mild steel structure with power coating	Mild steel structure with power coating	Mild steel structure with power coating
Connections (Tank to collector) - Material	Composite pipe with brass end fitting/EPDM rubber hose	Composite pipe with brass end fitting/EPDM rubber hose	EPDM Rubber Hose
System colour	Gray (RAL 7037 & RAL 7035)	Gray (RAL 7035)	Gray (RAL 7035)



Solar Street Light

Low-cost installation. No trenching, No heavy cable, Quick and easy installation anywhere, Ultra-low maintenance and long product life.

25 Years Life LED/Induction lighting fixture is rated for 60,000 hours of maintenance free operation, Sealed deep cycle maintenance free battery.

Green light source. 40-70% less power consumption than traditional light sources. Globalgreen LED/Induction lights emit no light pollution, provides bright white light which improves color recognition and improves night visibility from 400%-1000% over traditional light sources. Grid-independent and No Bill to pay

Advantages

1. Quality High power LED with best performance and long life
2. Custom made designs ea Automatic on off control

Street light spec Technical Data

Expected Life of Module	: 25 Years
Battery Type	: Tubular
Battery Life	: 6-7 Years with proper Maintenance
Working Hors	: 12 Hrs (Dusk to dawn)
Battery Box	: GI ABS
Application	: Outdoor
Working Temperature	: -5°C to +50°C
Working Humidity	: 10% to 90%RH
LED Type	: High Power LED
LED Make	: Philips/Osram
Efficiency in Lumen	: 120 - 135
Dispersion Angle	: 110 - 120
Colour Temperature	: 5500K - 7000K
CRI	: >75
Electronics Efficiency	: >90%
Casing	: Aluminum Casting Power Coated



Solar Water Pumping System

Leader in Technology, Quality and Competitiveness
 Air Cooled KONDAAS's solar inverter with MPPT (VFD)
 Variable Frequency Drive will give maximum torque
 with minimum sunlight.

The system requires no battery; the panel can be directly connected to the inverter which in-turn can be connected to a 3-phase motor. The OSP based control will track & extract maximum power from the solar panel so that the motor runs at a constant torque for the wide range of intensity of sunlight-morning till evening.

This will give 35% extra energy which results in pumping 35% more water compared to the conventional 3-phase inverter +3 phase pump or DC motor based water pump.

TYPE OF PUMP

HP	HEAD	LITRE-PER MINUTE
1HP	200Feet	30 LPM
2HP	350 Feet	40 LPM
	450 Feet	50 LPM
3HP	600 Feet	40 LPM
4 HP	550 Feet	35 LPM
5 HP	600 Feet	40 LPM
7.5 HP	700 Feet	45 LPM
10 HP	900 Feet	45 LPM





Solar Hybrid Inverter

With our immense domain expertise, we manufacture and export Solar Inverters. Our solar inverter, solar ups, are based on standardized and optimum performance output so that maximum utilisation of battery power is reached and exploited for the benefit of the customer.



Features

- Maximum Power point Tracking (MPPT) Design.
- DSP Based Technology
- PWM Technology mains grid charger & Inverter with Bidirectional operation (NANO Series)
- PFC based IGBT grid Charger (for CONCORD & ATLAS Series) Upto 100 Amp Capacity & Parallel configuration is possible for higher ratings grid charger & MPPT controller. (CONCORD / ATLAS)
- Pure sinewave output with low THD.
- Pulse by pulse current limiting with auto resulting in efficient overload & short circuit protection
- DC Reverse polarity & battery deep discharge protection.
- Inbuilt galvanic isolation transformer.
- Advanced remote monitoring software. (Optical)
- LCD display for meeting, I/P & O/P parameters.
- Buffer for battery backup in emergency.
- Available of O/P - 1ph and 3ph as per requirement.
- Power Quality Audit / Scheduled Shutdown / Digital & Graphical representation of parameter. (Optional)

MODEL - SOLAR HYBRID INVERTER

Rating	1 kVA	2kVA	3kVA
Dc Voltage	24V	48 V	48V /96V
MPPT Range	30V – 72V	55V – 96V	55V- 96V / 105V – 144V
Charge Controller	MPPT Based Charge Controller		
MPPT Rating	50A	75A	90A
	MPPT Rating can be customized as per requirement		
Battery DC Voltage	24VDC	48VDC	48 VDC
Battery Type	SMF / Tubular Maintenance Batteries		
Max. DC Charging Current from Grid	40A	40A	60A
Grid Input	Single Phase		
Grid Voltage Range	160V – 270V		
Type of Inverter	Bidirectional full controlled MOSFET based PWM Inverter		
O /P Waveform	Pure Sinewave		
O /P Power Capacity	1kVA @ 0.8 PF	2kVA@ 0.8 PF	3kVA@ 0.8PF
O /P Voltage	230 + 2% (1- Phase)		
Frequency	50Hz		
T.H.D	<3% on Linear Load < 5% on Nonlinear Load		
O/ P.P.F	0.8 lagging to Unity		
Inverter Efficiency	> 85% on 24VDC >90% on 48VDC		
Overload Capacity	100 – 120% for 60sec 120 – 150% for 30sec		
Change Overtime	1 – 2 Sec		
Duty	Continuous		
Operating Mode	Off-Grid Offline		
Noise	50dB at 1m distance		
Operating Temperature	0-50 Deg. Celsius		
Storage Temperature	-10 Deg. Celsius to 55 Deg. Celsius		
Humidity	95% (Non Condensing)		
Altitude	<1000m above sea level		
Enclosure Protection	Ip20		
Cooling	Forced Air Cooling		
Color	Black		
Cable Entry	Bottom Rear Side		
Dimensions	300 x 500 x 500mm		
Weight	35kg. Approx.		
LCD Metering	Solar Voltage Solar Current Solar KWH	O/P Voltage O/P Current I/P Voltage I/P Current	Grid Voltage Grid Current Battery Voltage Battery Current I/P Frequency O/P Frequency
Indications	Mains On, Inverter On, PV On		
Faults Display	O/P Under O/P Over	Battery Reverse Polarity Array Reverse Polarity	O/P Overload Over Temperature Short Circuit DC Under DC Over
Protections	MCB at Grid MCB at Array MCB at Battery	Fuses at Inverter I/P Lighting for PV	AC Over AC Under DC Over DC Under Over Temperature Overload short Circuit
Pre Alarm	Above Protections with Alarm		

Specifications are subject to change without notice



Solar Battery's

Product Features

- Designed for Solar Applications
- Similar to the tubular battery offerings only difference being their capacity to instant partial state of discharge (PSOC) operation
- Specially designed for rural & high power outage areas.
- consistent power output & high backup
- Minimum Maintenance
- Cost efficient



Technical parameters of Solar Battery

Battery Type (12V)	Capacity	Dry Weight (Kg)	Filed Weight (Kg)	Electrolyte Volume	Product overall Dimension (mm)			Applications
					L	W	H	
Capacity @ C10 Rating								
Kondaas 40	40 Ah	14.75	20.8	5.4 ltrs	303	171	240	Solar
Kondaas 60	60 Ah	20.7	31.0	7.1 ltrs	410	172	248	
Kondaas 80	80 Ah	23.0	41.1	16.8 ltrs	518	275	255	
Kondaas 100	100Ah	29.5	48.5	16.8 ltrs	517	273	255	
Kondaas 120	120Ah	31.0	55.0	21.6 ltrs	500	190	416	
Kondaas 150	150Ah	41.0	64.3	19.2 ltrs	500	190	416	



Home UPS

Features

- DSP Based Design with absolute and stable Sine Wave output voltage and frequency
- State of the art MOSFET based PWM technology with greater efficiency at lower cost with Dynamic Stability
- Over Temperature Protection
- More back-up being a Sine Wave UPS (ASIC Control)
- No humming Noise (Silent UPS)
- Selector Switch for Normal / UPS
- Selector Switch for High Charging and Low Charging
- Intelligent Charger for Deep Discharged Battery.
- Advance Battery Management for longer battery life and prevent battery from overcharging.

APPLICATIONS

"Power Back-up for House hold as well as the computer
 "Small Water pumps and all motor based small applications
 "TV Sets, Fans, Tube Lights, etc.

TECHNICAL SPECIFICATIONS

Description	650 VA
Output Voltage at No Load	220V±5V AC
Output Frequency	50.0 Hz ± 1.0Hz
Output Wave Form	Sine Wave
Nominal Battery Voltage	12V
Low Battery Cutoff	10.5V ± 0.2V
Input voltage range	(100 VAC-280 VAC) for normal usage (180 VAC-260 VAC) for computer use

INVERTER MODE

Change Over Time Inverter to Main	<=8msec*
Change over Time to Inverter	<=8msec*
Input Voltage at mains low and high cut	180 V to 260 V ± 5 V

CHARGING MODE

Charger Current Two Mode	Normal Charging 8.0+/- 3 A
Mains ON; Inverter On; Battery Low; Charged. Short circuit & Overload Short Circuit / Reserve Battery, Over Temperature, Mains Fuse Blown	Mains, UPS On Charging/ Battery Charging / Charged; Over Load Over temperature Mains Fuse Blown





Technical parameters of Tall Tubular Battery

Battery Type (12V)	Capacity	Dry Weight (Kg)	Filed Weight (Kg)	Electrolyte Volume	Product overall Dimension (mm)			Applications
					L	W	H	
Capacity @ C10 Rating								
Kondaas 40	40 Ah	14.75	20.8	5.4	303	171	240	
Kondaas 60	60 Ah	20.7	31.0	7.1	410	172	248	
Kondaas 80	80 Ah	23.0	41.1	16.8	518	275	255	
Kondaas 120	120Ah	32.1	54.7	21.6 ltrs	500	190	416	UPS
Kondaas 500	150Ah	43.0	64.1	19.2 ltrs	500	190	416	Inverter
Capacity @ C20 Rating								
Kondaas 135	135Ah	33.0	55.5	22.0 ltrs	500	190	416	UPS Inverter
Kondaas 500	150Ah	36.0	60.0	22.2 ltrs	500	190	416	
Kondaas 1000	200Ah	48.0	69.0	18.0 ltrs	500	190	416	

Tall Tubular Battery

Features

- Higher Charge acceptance
- Specialized lead alloys used for resistance to corrosion leading to longer life
- Very low maintenance
- Deep cycle designed & low self discharge
- Larger size vent plugs used to reduce topping up frequency

ELECTRICAL LOAD	RECOMMENDED INVERTER RATING	RECOMMENDED SYSTEM VOLTAGE	RECOMMENDED BATTERY MODEL WITH BACKUP TIME CALCULATION	
1 Fan + 1 Tube light	200 VA	12V	KT 40@ C10 - 1hr 45 mins KT60@ C10 - 2hr 30 mins KT 65 MASS - 2 hr 30 mins	
2 Fans + 2 Tube lights	400 VA	12 V	KT 80@ C10 1hr 45 mins KT 100 MAAS 2hr	KT 100 @ C20R - 2hr KT 100 @ C10R - 2 hr 30 mins
3 Fans + 3 Tube lights	600 VA	12 V	KT 100 MASS - 1hr KT 100@ C 20R - 1hr KT 100 @ C 10R - 1hr 30mins	KT 120 MASS - 1hr 30 mins KT 20@ C 20R - 1hr 30 mins KT 120 @ C 10R - 2hrs
4 Fans + 4 Tube lights	800 VA	12 V	KT 35 MAAS - 1hr KT 35 @ C20 - 1hr KT 150 MAAS - 1 hr 15 mins	KT 500 @ C20 - 1hr 15 mins KT 500@ C10 - 1hr 45 mins KT 180 MAAS - 1hr 45 mins
5 Fans + 6 Tube lights	1 KVA	24 V	2S- KT 35 MAAS - 2hrs 2S KT 35 @ C20R - 2 hrs 2S KT- 150 MASS - 2 hr 15 mins	2S KT 500 @ C20 - 2hr 15 mins 2S KT 500 @ C10R - 3hrs 2S KT 80 MAAS - 3 hrs
7 Fans + 8 Tube lights	1.5 KVA	24 V	2S KT 150 MAAS - 1hr 30 mins 2S KT 500@ C20R - 1hr 30 mins 2S KT 500 @ C10R - 2 hrs	2S KT 180 MAAS - hrs 2S KT 1000@ C20 2 hr 15 mins
12 Fans + 14 Tube lights	2.5 KVA	48 V	4S KT 100 MAAS - 1hrs 4S KT 100@ C20R - 1 hr 4S KT 100 @ C10R - 1hr 15 mins 4S KT 120MAAS - 1hr 15 mins	4S KT 120 @ C20R - 1hr 15 mins 4S KT 120 @ C10R - 1hr 45 mins 4S KT 35 MAAS - 1hr 45 mins 4S KT 35 @ C20R - 1hr 45 mins
16 Fans + 22 Tube lights	3.5 KVA	48 V	4S KT 35 MAAS - 1hr 4S KT 35 @ C20R - 1hr 4S KT 150 MAAS - 1hr 15 mins	4S KT 500 @ C20R - 1hr 15 mins 4S KT 500 @ C10R - 1hr 30 mins
20 Fans + 35 Tube lights	5 KVA	96 V	8S KT 100 MAAS - 1hr 8S KT 100 @ C20R - 1hr 8S KT 100 @ C10R - 1hr 15 mins 8S KT 20 MAAS - 1hr 15 mins 8S KT 20 @ C20R - 1hr 15 mins 8S KT 120 @ C10R - 1hr 30 mins	8S KT 35 MAAS - 1hr 30 mins 8S KT 35 @ C20R - 1hr 30 mins 8S KT 50 MAAS - 1hr 45 mins 8S KT 500@ C20R - 1hr 45 mins 8S KT 500 @ C10R - 2 hrs 30 mins





DSP Sine Wave Static UPS

- State of the art MOSFET / IGBT based PWM Technology to increase crest factor
- Auto sense intelligent control smart charger
- Electronic charger - over, hence much better reliability
- Quiet operation of AC motors as well as other inductive loads unlike the noise that emanates from modified sine wave system
- Very low total harmonic distortion <3 %
- Fast changeover ensuring compatibility with computers
- TDR (time delay relay), especially for AC compressor based application
- Mains mode short circuit protection
- Surge load capacity upto 300%
- Less operating cost as compared to that with online UPS as well as DG sets
- Bypass switch in case of system failure
- Compatibility with D.G.sets

Customer Awareness

Technology use :	DSP controlled
Capacity of UPS :	3KV to 20KV
Input voltage range :	(100 VAC-280 VAC) for normal usage (180 VAC-260 VAC) for computer use
Input frequency range :	44-56Hz
Output voltage :	200 / 227 VAC
Output current at full load :	AMP
Out frequency :	50Hz +/-1Hz
Output wave form :	Pure sine wave
SB / DB UPS front Panel :	Switch ON, LED Indications
Rear Panel :	Mains Input wire, battery wires, fuse. NC / TC. UPS & Normal mode
Battery Care :	Please check the water level in the battery once in two months. Make sure battery terminal should be clean.



Applications

- Major power back up source in corporate offices as well as call centers
- Computer & Peripherals / Office Equipment like, Scanners, Printers, Fax Machines Etc.
- Emergency & Mobile Power Systems
- AC and all compressor based applications
- Petrol and Diesel dispensing (filling) Machines
- Treadmill & other Health Equipment in Homes / Gyms
- Water pumps and similar motor based application



Servo Stabilizer Air Cooled & Oil Cooled

Features:

- 100 error log storage
- High efficiency & fast response
- Wide input voltage range & audible alarm for trip conditions
- 99.99% failure proof control circuit
- No over under ,shoots and hunting
- Built in bypass switch upto 100Kva
- Less active component avoids failure ratings
- Special electronic circuit to operate on gensets
- No effect of power factor and frequency variations
- Single PCB for three phase sensing and correction
- Rugged and smooth ac motor drive control through optoisolator circuit which is highly reliable
- Separate isolated PCB for triac switching for motor

PARAMETERS

SPECIFICATIONS

Single phase capacity	1 to 25 kva
Three phase (air cooled)	3 to 150 kva
Three phase(oil cooled)	3 to 2000 kva
Input voltage range	170-270 single phase 295-465 volts three phase 195-270 single phase 340-465 volts three phase 205-270 single phase 360-465 volts three phase
Special range	As per customer requirements
Output voltage	220/230/240 V AC in single phase 380/400/415 V AC in three phase
System	Unbalanced/balanced type
Connection	Star/Delta or Star/star
Output Voltage regulation	(+/-) 1% from no load to full load
Servo motor drive	AC servo Synchronous Motor
Correction speed	35 v/sec-1 ph,60 V/sec-3 ph
Response time	Above 60 milli.sec
Operating frequency	47 to 53 HZ
Output waveform	True reproduction of input
Insulation	Class "B"
Short circuit percentage and period	300% for 250 milli sec
Overload capacity	120% for 1 minute
Effect of load P.F on OP volts	Nil
Waveform distortion	Nil
Duty cycle	100% continuous
Ambient	Upto 45c max above ambient Relative humidity upto 90%
System construction	As per IS: 9815
Enclosure	Powder coated
Effiency	Better than 98%(electrical consumption saved)
Environment	Designed for indoor/outdoor tropical use
Mounting	On wheels
Earthing	Earthing terminals provided





Online Office Ups



- Rear Panel • Rs232 • Input breaker • Output socket • SNMP slot
- Battery socket • Rj45 • Input socket • Optional socket

TECHNICAL DATA

Electrical Specifications

Input

Model No.	1K	2K	3K	6K	10K
Voltage		115-300VAC			176-276VAC
Frequency		(46-54)Hz / (56-64)Hz			
Cuttent(A)	7A	12A	16A	30A	47A

Output

Model No.	1K	2K	3K	6K	10K
Power Rating	1k VA/0.7kW	2k VA/1.4kW	3k VA/2.1kW	6k VA/4.2kW	10KVA/7kW
Voltage	220/230/240x(1+2%)VAC		220/230/240x(1+2%)VAC		
Frequency	50/60x(1+0.2%)Hz (Battery mode)			50/60±0.05Hz	
Wave from	Sinusoidal				

Batteries

Model No.	1K	2K	3K	6K	10K
Voltage	3x12V	8x12V	8x12V	20x12V	20x12V
	7.0Ah	7.0Ah	7.0Ah	7.0Ah	9.0Ah

Features

- High frequency and double conversion online
- Fully designed microprocessor control
- Wide input voltage range
- LCD display
- UPS start without battery
- Cold start
- Advanced battery management
- Automatic battery charging in UPS off mode
- Lighting and surge protection
- Short circuit and overload protection
- Fan speed auto control when loads varies
- Network / fax / modem surge protection
- Optional extension battery pack
- Battery voltage display
- Load capacity display
- EMI / RFI noise filter
- Smart Rs232 with monitoring software
- Optional SNMP card slot
- EPO function (Optional)
- 1KVA - 400 KVA



SOLAR ONGRID Home Solutions

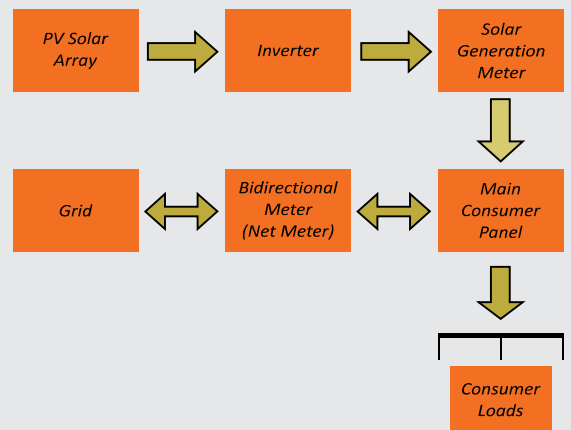
1, 2 & 5 Kilo Watt

- Presenting a clean, green COST EFFECTIVE SOLAR ONGRID SOLUTIONS for Tamil Nadu under the "Solar Rooftop Capital Incentive Scheme"
- GENERATE YOUR OWN POWER AT HOME @ ZERO COST
Net Meter Launched in Tamilnadu for First Time

System Details

1. Solar PV modules convert sun light into energy and generate DC Power during the day.
2. DC Power is supplied to the inverter which convert DC to AC power is supplied to domestic load.
3. Net meter is synchronized with grid and has set priority of utilizing the solar power first followed by grid power.
4. System offers dual benefits - first by reducing the electricity usage from grid and secondly by minimizing the net payable amount by adjusting the cost of electricity supplied to the grid by your system.

** Net Metering arrangement / approval and its related cost to be borne by customer.



TECHNICAL SPECIFICATION

	1 kw	2 kw	5 kw
PV Module Nominal Power	250 Wp (4 Nos)	250 Wp (8 Nos)	250 Wp (20 Nos)
Maximum Power Point Voltage (Vmp)	30.71 Volts	30.71 Volts	30.71 Volts
Maximum Power Point Current (Imp)	8.25 Amps	8.25 Amps	8.25 Amps
Open Circuit Voltage (Voc)	37.84 Volts	37.84 Volts	37.84 Volts
Open Circuit Current (Isc)	8.71 Amps	8.71 Amps	8.71 Amps

SOLAR PHOTOVOLTAIC MODULE

SOLAR INVERTER
INVERTER CAPACITY
1kW, 2kW, 5kW

- HIGH EFFICIENCY
- WIDE DC INPUT RANGE
- HIGH SPEED MPPT FOR REAL POWER TRACKING
- TRANSFORMER LESS INVERTER WITH OPTIMIZED TOPOLOGY
- MAX KW AVAILABLE AS PER CUSTOMER REQUIREMENT

Dealers Address



Solar Experience Store

74, Jaganatha Nagar,
Opp. Medical College,
Avinashi Road, Coimbatore.
PH: 73730 74444

Showroom

461, KCR Complex, Avinashi Road,
Opp. Pushpa Theater Bus Stop,
Tirupur - 641602
Ph: 9244416604

Factory - Unit 1

(Electronics Division)
5A, Alamelu Nagar,
Kamarajar Road, Coimbatore-15
Ph : 92444 14441

Factory - Unit 2

(Thermal Division)
No 5,R.R. Industrial Estate
Singanallur Coimbatore -5
Ph : 92444 14441



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