

Enriching Life with Green Energy

**Energy Solutions
through
Solar Power**



The Pune based Electronica group specializes in the manufacture and distribution of machines, equipments and tools needed in the Engineering, Plastic processing and Electronics Industrial sectors. Established in 1973, the group today is a global entity involved in engaging worldwide technologies as well as trading machines from global manufacturers. It also manufactures and exports its own engineering products to over 40 countries. It has today manufacturing facilities at 6 locations in India with 18 regional sales and service centers, and overseas offices in Switzerland and the UK.

Electronica HiTech Engineering Pvt. Ltd., a group company of Electronica, involved in trading machine tools, understands in depth the needs of its customers from industry and has a proven track record in providing solutions best suited for any customer applications.

Electronica HiTech also understands the ever-increasing demand for alternate energy resources and the urgent need for renewable energy for both, domestic as well as industrial applications. With this in view, Electronica HiTech has diversified into green energy, seeking to first harness solar energy, which is freely available, clean, sustainable and noise free. Electronica HiTech leverages its experience and expertise in developing and providing workable solutions in this field. Electronica HiTech intends to position itself as a single window for products, systems as well as services, covering all your solar energy needs.

Presently Electronica HiTech brings you the following series of solar solutions at your doorstep

Lighting Products: We introduce our complete range of street lights which includes LED, CFL, SOX and Metal Halide.

Home light Systems: We have AC, DC and hybrid systems of any capacity for domestic as well as of fice applications.

Water Pumping and Cooling Systems: We understand the farmers' needs and have introduced robust water pumping systems. We also understand the needs and constraints of rural hospitals for storage of medicines and have therefore introducing solar cooling refridgerators in hospitals in rural areas.

Solar Water heating systems: The maximum domestic electrical consumption is attributed to bath water heating. Therefore to minimise this consumption, we bring to you Solar Water Heating solutions. Water heating would be of two types, namely FPC (Flat plate collectors) and ETC (Evacuated Tube collectors).

Consumer Products: Consumer products would consist of a range of solar Lanterns, solar garden lightings, solar torch, solar cookers etc...

LIGHTING PRODUCTS

CFL / LED Based Street Lights



Model : EH-100 SL (Twin Arm)

- Module : 30 wp to 200 wp
- Battery : 12 v 30 Ah to 120 Ah
- CCU : 12 v 5 Amp
- Lamp : CFL / LED
- Backup : 4 hour to Dusk / Dawn
- Autonomy : 3 days
- Pole Height : 4 Mtrs. to 5.0 Mtrs.

SOX Street Lights



Model : EH - 26 SOX SL

- Module : 120 wp
- Battery : 12 v, 120 Ah
- CCU : 12 v 10 Amp Dusk to Dawn
- Lamp : 26 w SOX
- Backup : Dusk to Dawn
- Autonomy : 2 days
- Inverter : 12 v / 150 w
- Pole Height : 5.5 Mtrs.

Metal Halide Street Lights



Model : EH - 35 W MH SL

- Module : 165 wp
- Battery : 12 v, 180 Ah
- CCU : 12 v 15 Amp Dusk to Dawn
- Lamp : 35 w MH
- Backup : Dusk to Dawn
- Autonomy : 3 days
- Inverter : 12 v / 150 w
- Pole Height : 6.0 Mtrs.

HOME LIGHTS AC & DC SYSTEMS



Load recommendation chart for AC systems

Model no	7 W CFL		11 W CFL		15 W CFL		28W TL		40 W TL		Fan		CTV 21"		Fridge		Computers		
	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	
EH-250AC	2	2	3	4					1	2									
EH-450AC	2	2	3	4							1	3							
EH-900AC	2	2	3	4	1	4					1	4	1	3					
EH-1250AC	2	2	3	4	1	4					1	4	1	3	1	2	1	1	
EH-1800AC	2	2	3	4	1	4					2	2	1	3	1	2	1	1	
EH-2600AC	2	2	5	4	1	4	3	4			2	5	1	4	1	3	1	2	
EH-3400AC	2	2	5	4	2	4			4	3	2	5	1	4	1	4	2	2	

Load recommendation chart for DC systems

Model no	10W TL		18 W TL		11 W CFL		7 W CFL		5W CFL		DC Fan	
	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs
EH-36DC							1	3	1	3		
EH-75DC	1	4					1	4				
EH-120DC	2	4					2	3				
EH-150DC	3	4					2	4				
EH-240DC	2	4	1	4	3	3						
EH-450DC	3	4	2	4	2	4	2	3			1	4

Load recommendation chart for HAC systems

Model no	7 W CFL		11 W CFL		15 W CFL		28W TL		40 W TL		Fan		CTV 21"		Fridge		Computers		
	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	Nos	Hrs	
EH-250HAC	2	2	3	4			1	1											
EH-450HAC	2	2	3	4							1	3							
EH-900HAC	2	2	3	4	1	4					1	4	1	3					
EH-1250HAC	2	2	3	4	1	4					1	4	1	3			1	1	
EH-1800HAC	2	2	3	4	1	4					2	2	1	3	1	2	1	1	

Solar Water Pumping Systems



Pump	: Centrifugal
Motor	: DC - Submersible Pump & DC - Surface Pump
Voltage	: 290 v DC
Discharge	: 500 to 10000 Ltrs. / hr
Delivery Pipe	: 2 inch
Foot Valve	: Built in

Solar DC Fridge

Capacity	: 48 Ltrs. to 450 Ltrs.
Protection	: Wrong Polarity Protection
Freezer	: 3 Trays
Voltage	: 12 v / 24 v
Weight	: 22 Kg. to 96 Kg.
Backup	: 4 to 6 hrs



SOLAR WATER HEATING SYSTEMS

Flat Plate Collector (FPC)



- Capacity : 100 LPD to 500 LPD
- Water Temperature : 60° C to 70° C
- Inner Tank of Stainless Steel (SS 316)
- Outer Tank of Aluminium Cladding
- Copper Finns (9 nos)
- Toughened Glass of 4mm Thickness

Evacuated Glass Tube Collector (ETC)



- Inner / Outer Tank of Stainless Steel (SS 316)
- Glass Tubes with Black Chrome Coating
- Water Temperature : 70° C to 80° C

The system can be designed of any capacity to suit specific requirements

CONSUMER PRODUCTS



Solar Lantern

Module : 3 wp to 10 wp
Battery : 6 v 4 Ah
Lamp : CFL / LED
Backup : 4 to 6 hrs a day
Autonomy : 3 days



Lawn Lighting

Module : 1.5 wp to 6 wp
Lamp : LED
Height : 1, 2, 3 mtr.
Body Types : Plastic body &
Steel body



Solar Torch



Solar Cooker

Box Type Solar Cooker

Ask us for

- Maintenance and servicing for all solar products regardless of the make.
- Complete Power projects both Grid and Off-grid – Installation and / or Consultancy.

**Green is no longer an option.
It's the only way forward.. Save the Earth.**

**Become a green citizen. Switch to energy efficient &
environmentally friendly products for your home & business.
Change Now... Change for Green...**



Advantages of going Solar

- ☀️ Avail the benefits of accelerated depreciation upto 80%
- ☀️ Low operating costs throughout the life of the system
- ☀️ Noise free and pollution free
- ☀️ Clean and green power that is CO₂ free
- ☀️ Every unit of solar energy saves 3.3 Ltrs of fresh water and prevents release of 2kg of CO₂
- ☀️ CDM benefits- By adopting solar solutions, you become part of the global effort towards achieving Carbon emission reduction targets. Going Solar is the first step towards a green building concept

Authorised Dealer / Sales Representative



Electronica HiTech Engineering Pvt Ltd

Green Energy Division

Elektra Chambers 44 Mukundnagar Pune 411 037 India

Tel. : +91 20 3043 5400 Fax : +91 20 2426 9001

Email: solar@electronicaHITECH.com www.electronicaHITECH.com

Branches

North Zone • Gurgaon : +91 93506 76974 • East Delhi : +91 93137 88060 • Ludhiana : +91 93168 25680

West Zone • Mumbai : +91 93735 69706 • Baroda : +91 93287 45610 • Pune : +91 97663 62835

South Zone • Bangalore : +91 93419 63001 • Chennai : +91 93828 56310 • Coimbatore : +91 93629 54028
• Secunderabad : +91 93913 62104

East Zone • Kolkata : +91 92316 88222