

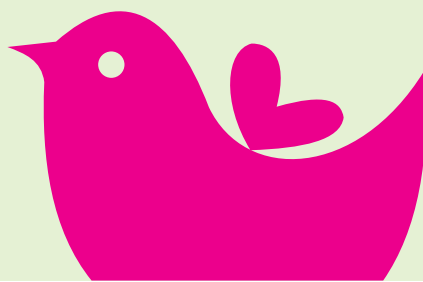
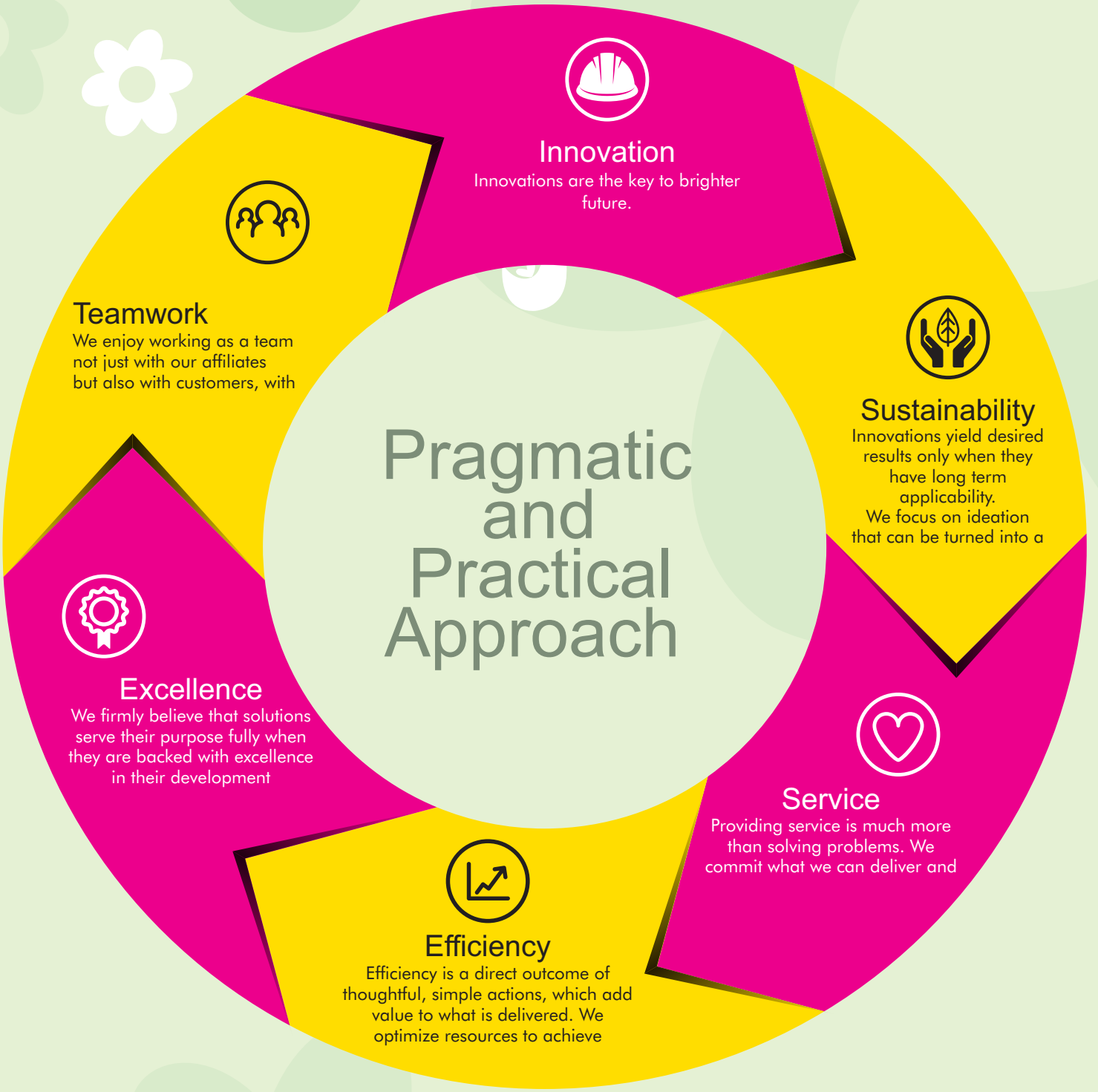
THE MOST PROMISING COLOUR OF EARTH IS  
FADING AWAY...



**Uratom**<sup>™</sup>  
The solar energy specialist



**BETTER ENERGY FOR  
CHANGING WORLD**





# SPREADING WARMTH WITH SOLIDARITY

## Company Profile

After 42 years of experience in solar solutions, "Hiramrut Group" is back with more power, absolutely upgraded products and very impactful name (URATOM) Yes, Uratom Solar (India) Pvt. Ltd. - AN ISO 9001:2015 & ISO 14001 certified company, is one of the largest manufacture of eco-friendly & pollution free products like Solar Water Heater, Solar PV Modules, Solar Rooftop system, On Grid Inverters, BLDC Solar pump & EPC system. USIL is committed to manufacturer & supply the solar product with quality, reliability, long life for clean & green

Having state-of-art production line supported by own R & D , USIL ensure for high quality with higher efficiency solar products for domestic, commercial as well as industrial purpose. Production, drawing & designing is prepared & finalized under strict

Uratom is working on 'Solar Energy' field since 1984 & it is the founder of Hiramrut Energies Pvt. Ltd (HEPL). The company is an of ISO 9001:2015 & 14001 certificated for quality management system for better product and service. Due to upgraded higher rating from a reputed rating agency, our company is now channel partner of MNRE to avail the benefits of subsidy on various solar products. We have large dealer network in Gujarat as well as Rajasthan, Maharashtra, Jharkhand, Odissa, Chhattisgarh, Madhya Pradesh, Karnataka, North East, Delhi, Haryana, Himachal Pradesh, Punjab, Jammu & Kashmir, Uganda, Kenya, Tanzania, Rwanda & Shri Lanka.

### INDIA'S LATEST 20BB EUROPEAN SOLAR PV MODULE MANUFACTURING FACILITY WITH A CAPACITY OF 1.2 GW



42 Years Of Rich Industry Experience



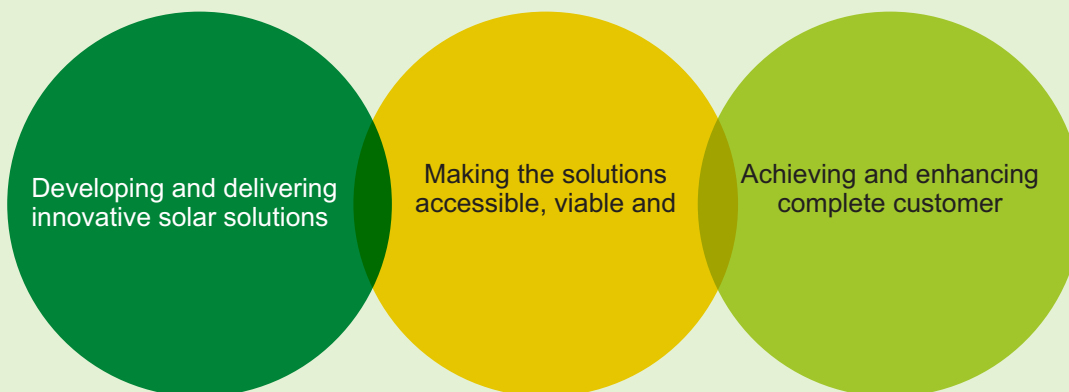
350+ DEALER NETWORK



175 MW+ ROOFTOP PROJECTS

## Mission

We intend to promote use of solar energy by...



## Vision

Creating sustainable and eco-friendly future for our Mother Earth by optimum use of solar energy & saving fossil

## Quality Policy

We are committed to achive customer satisfaction by quality products - hot water solution and solar power systems. Also committed to provide better work culture and pollution free environment for factory employees & minimizing pollutions.

We are committed to fulfil our integrated management system

We will ensure persistent progress in integrated management system by preventing pollution & fulfilling quality objectives,

## Renew Energy

URATOM supports renewable energy such as solar & wind energy to reduce the climate changes.

Every community and person can play an important part in accomplishing a global solution. We are working to empower our customers with new opportunities for energy savings and with the up-to-date, practical information they need about ways to use energy more wisely and save money, too. In this century, we are focused on the opportunity to provide universal access to energy efficiency along with our traditional mission. We are equipped to take on this new challenge with our skilled employees, our well-known brand reaching into millions of homes and industries, and our ability to invest to achieve long-term public benefits. We want to do more than simply be part of the solution. We want to create solutions that lead to a better, greener energy future, redefining what it means to be an energy company with a

We are proud to contribute to environmental progress like this. We are determined to continue working for a brighter and



**DEVELOPING AND DELIVERING  
INNOVATIVE, ACCESSIBLE,  
VIABLE AND AFFORDABLE  
SOLAR SOLUTIONS**





Largest ETC manufacturing plant with upgraded technology and highly experienced engineers, Uratom busts up their energy in largest Solar Water Heater manufacturing plant in India which spread in 1,92,300 Sq. Feet.

Uratom believes in quality products with aesthetic look that passes all quality processes as assured.



# Solar Water Heater (ETC)

Model : Uratom Bharg

Model : Uratom Ray



\* Conditions Apply



\*\* Conditions Apply



Anti corrosive stand



Robust stand design



Designer tank cap



ISO 9001:2015 & ISO 14001 Certified Co.



Save Electricity



Save Money



High Thermal Efficiency



MNRE Approved

## Technical Specifications of Vacuum Tube

Material	1.6mm Borosilicate 3.3 glass
Outer Diameter	58mm / 70mm (whatever applicable)
Inner tube diameter	47mm / 54mm (whatever applicable)
Tube Length	1800mm / 2100mm (whatever applicable)
Absorptive coating	CU - AL - N / SS (Three Layer)
Vacuum P	$<5 \times 10^{-3}$ PA
Absorptance	$>92\%$ (Am1.5)
Glass thickness	1.6mm
Emittance	$<8\%$ (80°C)
Thermal expansion	$3.3 \times 10^{-6}$ °C
Stagnation temperature	$>200^\circ$ C
Heat loss	$<0.8$ w/sq.mtr.
Maximum strength	0.8 MPa

## Benefits for You

- Reduction in conventional energy consumption, saving fossil fuels.
- Substantial savings on conventional heating bills.
- Higher predictability of heating costs.
- Reduced dependence on energy imports.
- Proven & reliable technology.

## Technical Specifications for Tank

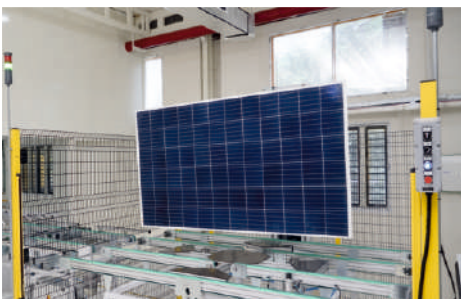
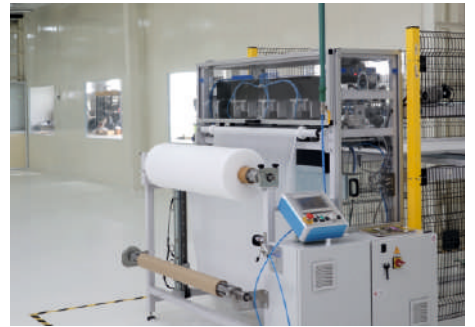
Inner Tank	(Ray) 2.0mm Galvanized Iron (G.I) TIG Welded (Bharg) 2.5mm Galvanized Iron (G.I) TIG Welded
Inner Coating	High Grade Anti-Corrosive Coating/Special PL Coating
Outer Cladding	0.45mm Galvanized Iron (G.I) with P P Powder Coating
Insulation	50mm PUF (38kg. / $\text{m}^3$ density)
Stand	1.4mm (G.I) with P P Powder Coating or 30 x 30 x 3mm M.S with P P Powder Coating
Connections	1"
Electric Backup	1.25"

## Benefits for You

- Get Average  $50^\circ$  to  $65^\circ\text{C}$  hot water at any time at almost zero recurring expense.
- 50mm PUF Insulation retains heat for a longer duration.
- Once installed, no worry of frequent maintenance.
- Better and longer product service span due to tube's larger diameter.
- Increased heating efficiency due to specially developed triple coated glass tube.
- 100% dependable compared to Gas & Electric Geyser.
- Keeps environment clean as 100 litres SWH prevents 1.5 tonnes carbon-dioxide emissions per year.



State- of-Art Energy transformation 1.2 GW Capacity of Solar Pv Module from European Manufacturers



## NDC MACHINE (NON DISTRACTIVE CUTTING)

- Lowest Chances of Micro Crack.
- 30% Higher Mechanical Strength of Cell.
- Lower the chances of Snailing.
- Increase Module Life & Efficiency.
- Best Quality Cut Cell (NDC).



## SOLAR PV MODULES ASSEMBLY

Uratom is at the fore front of manufacturing advanced solar PV modules or solar panels that enable our customers to meet their energy requirements sustainably and efficiently. We design, engineer and manufacture high-quality solar PV modules that are built to last, delivering maximum efficiency and long-term performance.

Our state-of-the-art manufacturing facilities with the latest European 12 BB automated line and cutting-edge technology ensure that our products meet the highest standards of quality and durability. With years of experience in the solar industry, we are dedicated to providing our customers with the best possible products and services.

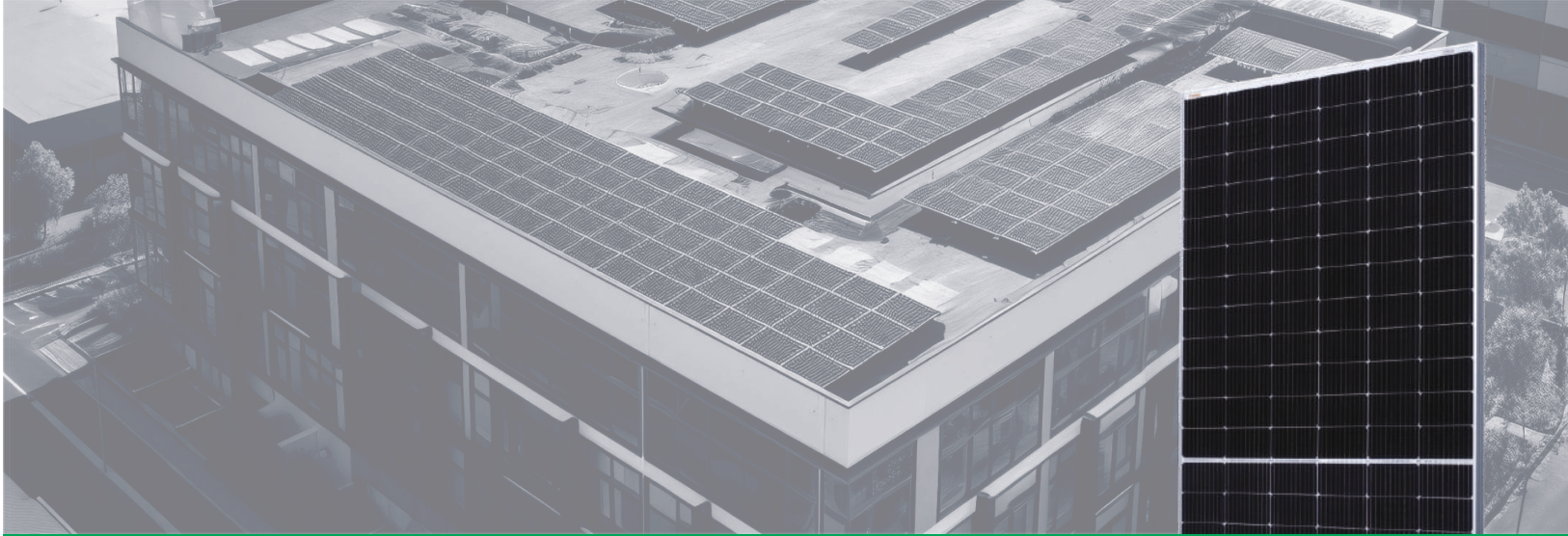
We offer a range of different solar PV module options to suit different needs and applications, and our expert team is available to help you choose the best solution for your specific needs. Whether you're looking to power your home, business, or community, we have the expertise and resources to help you achieve your goals.



## WHY URATOM **SOLAR PV MODULES?**

1. State-of-the-art European 5-12BB Automated Line.
2. Best Quality Cut Cell (NDC).
3. India's Strongest PV Modules (2.5 & 2.0 mm thick aluminum frames with Central Support)
4. Maximum Soldering area for better performance.
5. Accurate String alignment.
6. 330-580 WP range of PV Modules.
7. Uratom's Strong and experienced Network.
8. Lowest the chances of Snailing.





# Helios **MONO** (182 X 91 MM)

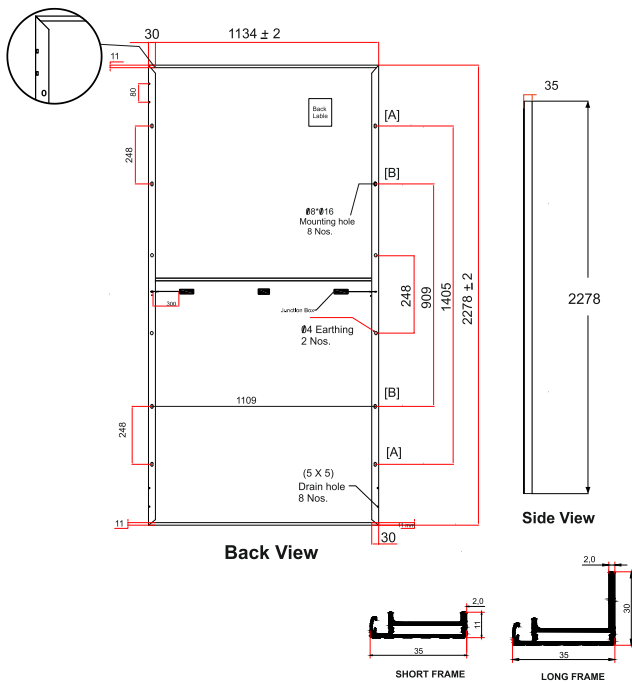
500 - 550Wp POWER OUTPUT RANGE

# Sienna **TOPCON** (182 X 91 mm)

580 - 650Wp POWER OUTPUT RANGE

144 Cells

(Cell - 10BB) PV Modules

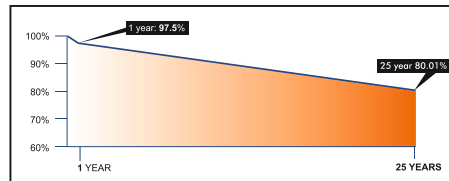


144 Cells

(Cell - 10 / 16BB) PV Modules

## PERFORMANCE WARRANTY

Degradation rate:  
10% degradation of power during 10 years and  
20% degradation of power during 20 years.



## KEY FEATURES

ARC Tempered Glass

10 BB Solar Cell

EL Checked

IP67/IP68 JB

Anodize Aluminum

High Module efficiency

Tolerance ± 5W

Quality Assurance

## WARRANTY

Performance Warranty

Product Warranty

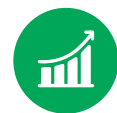
25 years for linear power

10 Years

Mechanical Specification	(Helios <b>MONO</b> )	(Sienna <b>TOPCON</b> )
Model	Helios 144 Half Cut Cell Family	Sienna 144 Half Cut Cell Family
Cell Type	Mono crystalline Cell 10 BB	TOPCON Cell 10 / 16 BB
Glass Dimension	2272mm x 1128 x 3.2mm	2272mm x 1128 x 2.0mm (Front & Back)
Cable & Connectors	400mm with 4mm <sup>2</sup> Mc4 Connector	
Frame	Anodized Aluminum Frame 35mm Height x 2mm Thickness	
Junction Box	Splitted Junction Box	
Load Test	Front- 5400 Pa, Back- 2700 Pa	
Encapsulate	PID free Ethylene Vinyl Acetate Sheet	
Back Sheet	UV protected Transparent Backsheet	
Application Class	Class A	
Electrical Safety Class	Class II	
Fire Safety	Class C (Type 1)	
Mounting Holes Pitch mm	[A]1405 [B] 909	



High Efficiency



Better Performance



Enhanced Performance



Outstanding Durability



Global Certifications

GENERATE YOUR OWN ELECTRICITY AND  
SAVE UP TO 50%# ON YOUR MONTHLY POWER BILLS.

### WHY URATOM SOLAR ROOFTOP?



1.6 GW + ROOFTOP SOLAR PROJECTS



40+ YEARS OF SOLAR FIELD EXPERIENCE



1 LAKH + CUSTOMERS SERVED



CUSTOM DESIGN AND ENGINEERING SERVICES



### Where to Install?



Commercial



Hospital



School



Industries



Shopping Mall

Explore a diverse range of projects that exemplify our expertise in providing sustainable energy solutions across various locations and applications.

## OUR SOLAR PROJECTS



# WALL MOUNTED WATER HEATER

With Horizontal / Vertical



## Features

- Horizontal / Vertical Optional
- Maximum outlet water temperature up to 75°C
- Multiple Running Mode
- Silent running low to 38dB(A)



### Save more Energy

Saves up to 70% energy compared to conventional water heating solutions



### Environment Friendly

We use the environment friendly refrigerant R417A



### Get 24x7 @ 365 days hot water

Hot water is available 24X7. It is unaffected by climatic changes



### Save more Space

Compact design saves more space as compared to other conventional water heating solutions



### Maintenance Free

Can last for years with little or no maintenance



### Longer Life

Lifespan ranges from 10 to 15 years



## UT-060|080|100GV

## UT-060|080|100GH

### TECHNICAL DATA

Model	UT - 060GV	UT - 080GV	UT - 100GV	UT - 060GH	UT - 080GH	UT - 100GH
Installation	Vertical	Vertical	Vertical	Horizontal	Horizontal	Horizontal
Power Supply	220 - 240V/1/50HZ					
Heating Capacity at air 20C/15C Water Temperature from 15C to 55C						
Heating Capacity (W)	600	600	600	600	600	600
Power Input (W)	169	169	169	169	169	169
COP	3.50	3.50	3.50	3.50	3.50	3.50
Hot Water Production (L/h)	12	12	12	12	12	12
Refrigerant	R134					
Electric Heating Element (KW)	2					
Max Power Input (KW)	2.5					
Max Current (A)	114					
Water Tank Volume (L)	60	80	100	60	80	100
Max Water Tank Pressure	0.8MPa					
IP Class	IPX4					
Working temperature range °C	~7~43					
Net Dimension (mm)	0470*977	0470*1142	0470*1282	0470*890	0470*1040	0470*1180
Package Dimension (L*W*H) (mm)	565*585*1010	565*585*1180	565*585*1320	565*570*960	565*585*1100	565*570*1250
Net Weight (kg)	39	42	45	39	42	50
Gross Weight (kg)	43	46	58	43	46	54
Noise (dB(A))	38					
Air Duct	Non - ducted					

\*Please refer to the nameplate for product upgrades or Changes in specifications without prior notice.



# SAVE WATER WITH THE POWER OF SUN

Water is life. Powered by the sun, we secure every drop for today and tomorrow. Because without water, there is no life — for humans, animals, or nature.



V3 - CI SOLAR SUBMERSIBLE  
OIL-COOLED PUMPS

0.5 - 2.0 HP



V3 - SS SOLAR SUBMERSIBLE  
OIL-COOLED PUMPS

0.5 - 2.0 HP



V4 - CI SOLAR SUBMERSIBLE  
OIL-COOLED PUMPS

1.0 - 3.0 HP



V4 - SS DC SOLAR HHLV  
SCREW PUMPS

1.0 - 2.0 HP



V4 - SS DC SOLAR SUBMERSIBLE  
PUMPS WATER COOLED

1.0 - 5.0 HP



V4 - SS AC SOLAR SUBMERSIBLE  
PUMPS WATER COOLED

1.0 - 5.0 HP



V4 - SS SOLAR SUBMERSIBLE  
OIL-COOLED PUMPS

1.0 - 3.0 HP

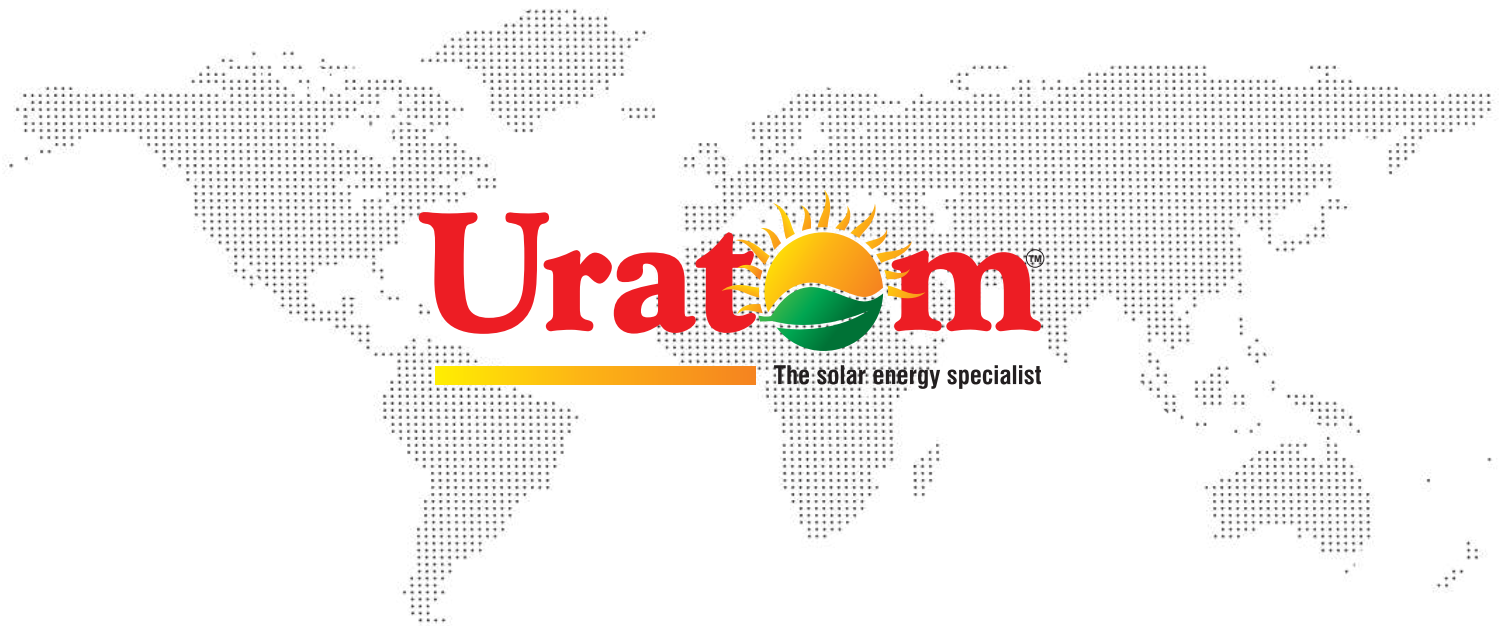


V6 - SS DC SOLAR SUBMERSIBLE  
PUMPS WATER COOLED PUMPS

5.0 - 20.0 HP







**URATOM SOLAR (INDIA) PVT. LTD.**

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