Duke™
SAVE ENERGY

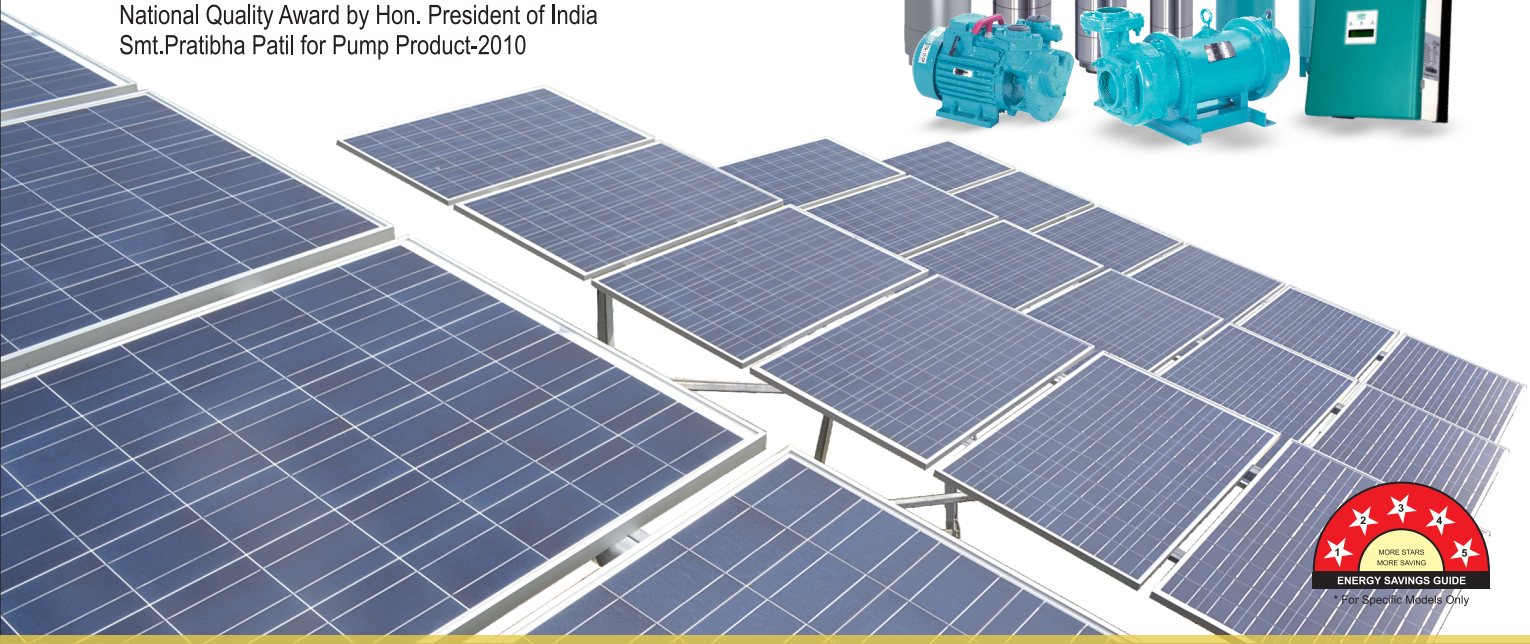
PUMPS & PIPES

Smart - 3600 Solar Submersible Pump Sets

Complete Pumping Solution Since 1989

Entrepreneurship Award by Hon. Mr. Narendra Modi for outstanding efforts in Entrepreneurship-2010

National Quality Award by Hon. President of India Smt.Pratibha Patil for Pump Product-2010



MORE STARS MORE SAVING
ENERGY SAVINGS GUIDE
* For Specific Models Only

Duke Plasto Technique Pvt. Ltd.
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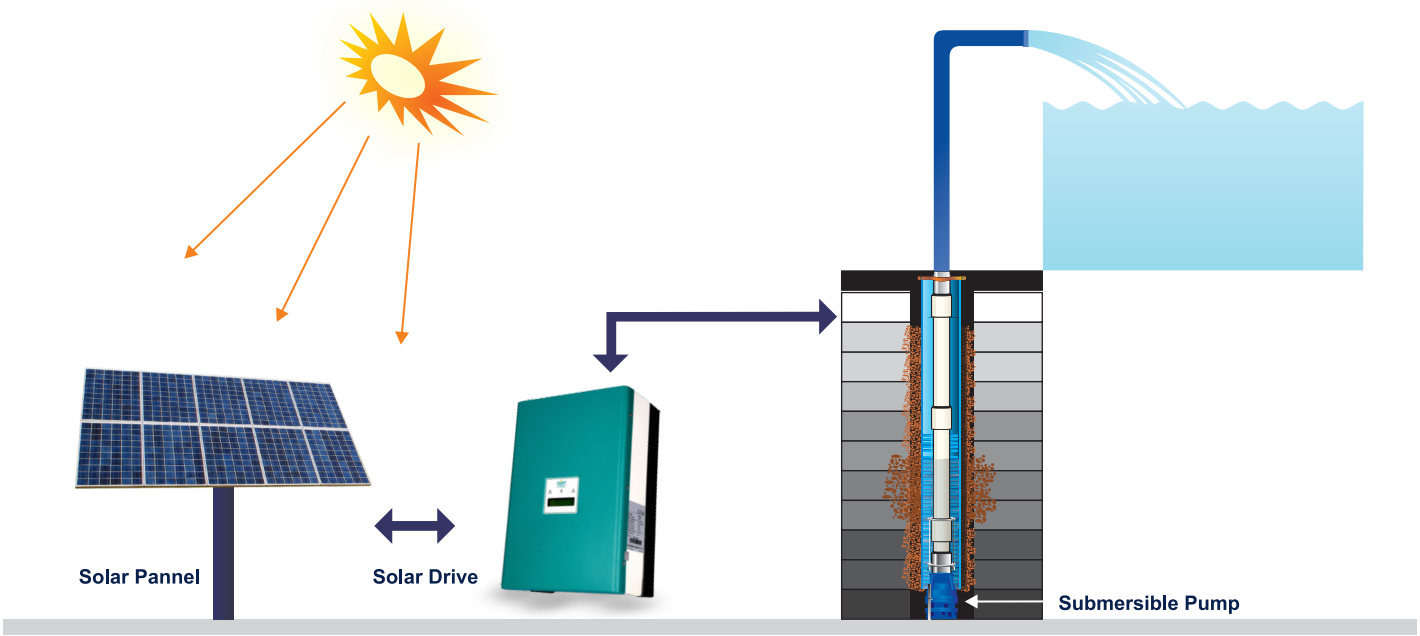
National Quality Award & Entrepreneurship Award Winner Company

ISO 9001:2008 Company

Solar Pump Methodology



Available in 0.5 HP to 50 HP.

HIGHLIGHTS

- AC submersible pump set and DC submersible pump set with permanent magnate rotor
- Dry running protection
- Remote controllable & auto start and stop function (on demand)
- Integrated MPPT (maximum power point tracking)
- Protected against reverse polarity, overload and over temperature
- No electronics inside motor
- Also run on grid power
- High sand protection
- High wear resistance
- High efficient solar photovoltaic panels with minimum service life of 25 year
- Wide series of high efficient pump sets

FEATURES

- Premium material, SS robust construction
- Water filed rewindable motor
- Low temp. rise
- High thrust bearing capacity
- GM/Carbon bush
- Spares available
- NEMA Standards
- Robust galvanize steel mounting structure (solar tracker system available on demand)
- Virtually no maintenance cost.
- Smooth motor starting (VFD controller eliminate the high starting current)

TECHNICAL DATA

CONTROLLER

Power	: 0.5 kW to 45 kW
Input voltage	: 60 VDC to750 VDC
Efficiency	: max 98%
Ambient temp	: -30 to 50 °C
Motor current	: 2 A to 80 A
Enclosure class	: IP45/IP63

PUMP SETS

Rated power	: 0.37 kW to 38 kW
Motor Efficiency	: 82% to 96%
Motor speed	: 900 to 3600 rpm
Insulation class	: B
Enclosure class	: IP58/IP68
Head range	: 1m to 400 m
Flow Rate	: 500 lph to 192000 lph

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