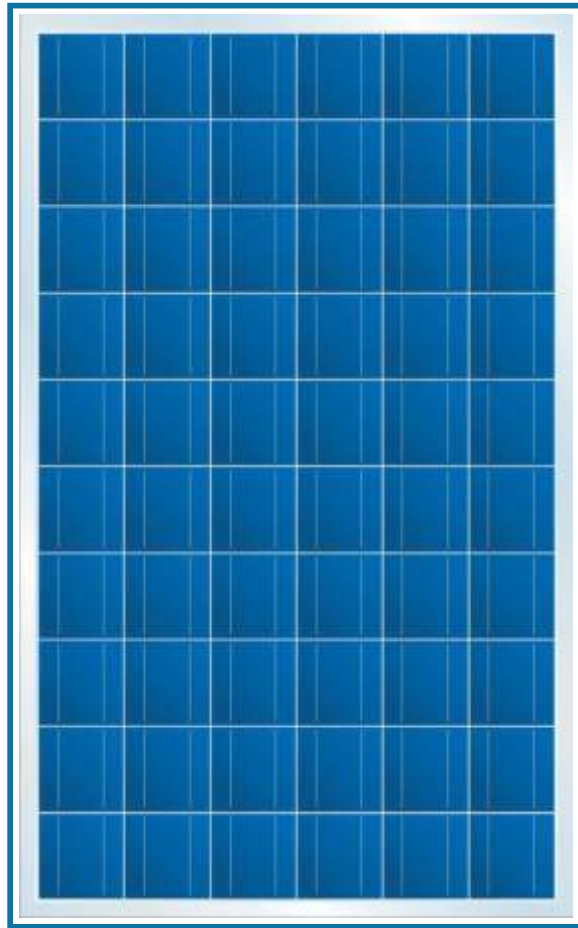


PHOTOVOLTAIC MODULES



Branded

Manufactured in accordance with high standards of design & Quality Control



Positive Tolerance

Guarantee positive tolerance from +5%/ -0 Delivers higher outputs reliably



High Model Output

Highest conversion efficiency



Excellent module efficiency

Solar cell efficiency up to 18.3%
Module efficiency up to 15.6%



High performance

Higher PV energy yields even under low light and cloudy condition



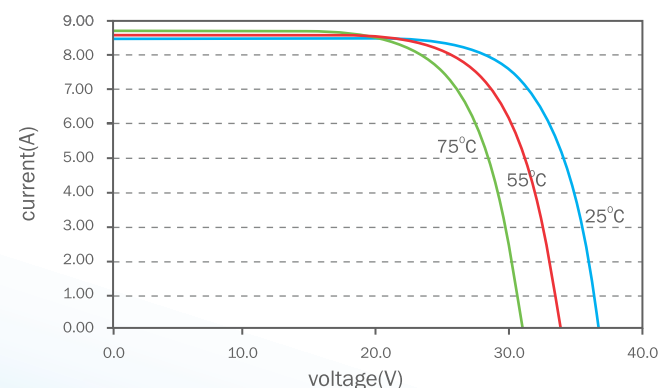
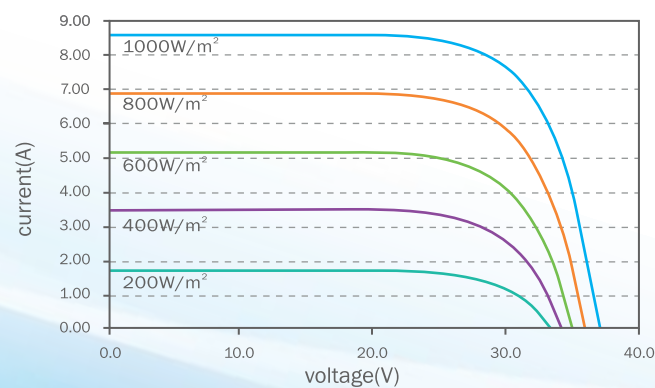
Reliability

Premium quality raw material and advanced manufacturing processes guarantees the reliability of our modules



EL Tested (ELECTRO LUMINESCENCE)

Fully conforms to certification and regulatory standards



12 years
Product
warrantee

30 years
Performance
warrantee
for up to 80.6% power output

12 years
Performance
warrantee
for up to 91.2% power output

SOLAR PUMP

ABOUT AMRUT SOLAR PUMP CONTROLLER

- ▶ The AMRUT Solar Pump Controller is designed to run any electric Three Phase Submersible and monoblock Pump/ Motor.
- ▶ The AMRUT provides water in remote location by converting high solar Output DC from Solar Panel into AC to run a standard AC Submersible Pump/Motor
- ▶ When Solar Power is not available controller can be automatically or Manually switched to an alternating single phase or three phase input AC

SALIENT FEATURES

LCD display shows Frequency (%), input DC voltage, Output AC voltage and current,

- ▶ MPPT- Maximum power pointracking for maximizing the efficiency of input power.
- ▶ Uses MPPT Technology to maximize water delivery at various solar energy levels.
- ▶ Soft starter features prevents water hammering and increase system life.
- ▶ High flow system for faster tank fill and significant water output.
- ▶ Simple installation and requires less maintenance.
- ▶ Solar pump controller: optional features (ac/dc change over, Grid sharing facility)
- ▶ Difference voltage range controller and RMS facility).

AMRUT SOLAR SYSTEM INCLUDE

- ▶ SOLAR Pump and Motor (Optional)
- ▶ AMRUT SOLAR pump controller (MPPT)
- ▶ Motor and controller Rating Available in the range of 1HP TO 100HP.

APPLICATION

- ▶ Tank Filling
- ▶ Wild life & Farms
- ▶ Rural water supply for villages & homesteads
- ▶ Irrigation system in Agriculture.
- ▶ Fountains



TECHNICAL DATA SHEET FOR 230 VAC & 415 Submersible and Monoblock pump

Sr. No.	1	2	3	4	5	6	7	8	9
Make	AMRUT	AMRUT	AMRUT	AMRUT	AMRUT	AMRUT	AMRUT	AMRUT	AMRUT
Model	V4/OIL FILLED/SS	V4/OIL FILLED/SS	V4/OIL FILLED/SS	V4/OIL FILLED/SS	V-6/V-9 M.S BODY	V6/SS/WATER FILLED	V-6/V-9 M.S BODY	V6/SS/WATER FILLED	V6/SS/WATER FILLED
HP/KW	1 HP (submersible)	2 HP (submersible)	3 HP (submersible)	3 HP (submersible)	3 HP (open well)	5 HP (submersible)	5 HP (open well)	7.5 HP (submersible)	10 HP (submersible)
Stage	10	15	12	15	1	5	1	11	14
Voltage	230 V (THREE PHASE)	160 V (THREE PHASE)	230 V (THREE PHASE)	230 V (THREE PHASE)	230 V (THREE PHASE)	380 V (THREE PHASE)	380 V (THREE PHASE)	415 V (THREE PHASE)	415 V (THREE PHASE)
Discharge outlet (In Inch)	1.25 "	1.25 "	1.5 "	1.5 "	3 "	2 "	3 "	2 "	2 "
Head (in meters)	30 meter	45 meter	45 meter	60 meter	10 meter	60 meter	15 meter	130 meter	165 meter
Discharge in LPM	70 LPM	80 LPM	120 LPM	100 LPM	750 LPM	190 LPM	900 LPM	170 LPM	170 LPM
Shut Off Head	45 meter	70 meter	65 meter	85 meter	20 meter	75 meter	25 meter	170 meter	230 meter
Overall efficiency	45.90 %	45.90 %	45.90 %	45.90 %	47.50 %	54.90 %	47.50 %	54.90 %	54.90 %
Maximum AMP	2.7 A	7.5 A	8.5 A	8.5 A	8.5 A	8.5 A	8.5 A	13.5 A	17 A
Size of cable	1 * 3 * 1.5 sq.mm	1 * 3 * 2.5 sq.mm	1 * 3 * 2.5 sq.mm	1 * 3 * 1.5 sq.mm	1 * 3 * 2.5 sq.mm	1 * 3 * 2.5 sq.mm	1 * 3 * 2.5 sq.mm	1 * 3 * 4.0 sq.mm	2 * 3 * 4.0 sq.mm
RPM	2800	2800	2800	2800	2800	2800	2800	2800	2800

- We are also manufacture 05 HP (single phase) Solar Pump
- 1 HP Solar Pumps are also available in 110v & 160v low voltage design

