



Aarvi Green Energies

"Invest in solar, Invest in a Greener tomorrow."

INTRODUCTION

Welcome to AARVI GREEN ENERGIES, Your Trusted Solar Solution Provider

- ▶ At AARVI GREEN ENERGIES we're dedicated to bringing the power of solar energy to homes, businesses, and communities across all maharashtra. With a commitment to quality, innovation, and sustainability, we are your partner in making the transition to clean, renewable energy seamless and rewarding.
- ▶ At the forefront of the renewable energy revolution, AARVI GREEN ENERGIES is a leading solar installation company specializing in designing, installing, and maintaining custom solar energy systems

OUR PREVIOUS PROJECTS

- ▶ At AARVI GREEN ENERGIES ,we take pride in our track record of successful solar installations across CHH. SAMBHAJI NAGAR Here are just a few examples of the projects we've completed
- ▶ **Residential Solar Installation - Projects in Chh. Sambhajinagar (Aurangabad).**
- ▶ **Commercial Solar Installation - current project 03 KWP at Satara area.**

Our services

- ▶ **Solar Installation:** We specialize in designing and installing custom solar energy systems tailored to residential, commercial, and industrial applications. Whether you're looking to offset your energy bills we have the expertise to bring your vision to life.
- ▶ **Maintenance and Support:** Our commitment to customer satisfaction extends beyond installation. We offer comprehensive maintenance and support services to ensure that your solar energy system operates at peak performance year after year. From routine inspections to troubleshooting and repairs, we're here to keep your system running smoothly.
- ▶ **Consultation and Financing:** We understand that investing in solar energy is a significant decision. That's why we offer expert consultation and guidance to help you navigate the process with confidence. We also provide flexible financing options to make solar more affordable and accessible to our clients.

Previous Project Photos



MATERIAL LIST

- ▶ SOLAR PANELS.
- ▶ ONGRID INVERTER.
- ▶ STRUCTURE.
- ▶ PROTECTION DEVICES.
- ▶ CABLES.
- ▶ NET METER & GENERATION METER.
- ▶ CONNECTORS, LUGS, EARTHING MATERIAL.

SOLAR PANELS



ELAN SHINE TOPCON Series

N-type
Bifacial Transparent Backsheet Modules

ASB-M10-144-AAA (AAA=550-575)
144 Cells | 550-575 Wp | Gen-II

575+ Wp

Maximum Power Output

22.28%

Maximum Efficiency

0~+5W

Power Tolerance

Linear Performance Warranty

■ 100% Linear Warranty ■ 100% Linear Warranty



Highlights

- Up to 30% Additional Power Gain** when compared with conventional P-type modules
- No LID Loss** - Higher power generation
- Better Output in Low Irradiance** - Higher power output even under low-light environments like on cloudy or foggy days
- Better Temperature Coefficient** - Higher power generation under higher ambient temperature conditions
- Bifaciality Factor 80 ± 5 %**

Delivers Reliable Performance Over Time

- Full-automatic facility and industry-leading technology
- Best-in-class durability and reliability

somera

SERIES 10

Monocrystalline Solar PV Modules, Monofacial, MBB, M10 Half-Cell, SOMERA V5MH 72,AAA,05

POWER OUTPUT (Wp)	MAXIMUM EFFICIENCY %	POSITIVE POWER TOLERANCE (Wp)	CELLS (HALF-CELL)
525-550	21.33	0~+4.99	M10 144



WITH
M10
CELLS

MONOFACIAL
MODULE

UP TO 550 W

144 MONOFACIAL
REARFELLS

- CYLINDRICAL TABBING WIRE** is used to reduce the shadow on cell active area
- Implementation of bypass diodes in split JB series-parallel connections enable the module to perform in **PARTIAL SHADOW CONDITIONS** with respect to full-cell module
- HIGHER NUMBER OF BUSBAR** makes the PV modules less prone to loss in efficiency and increase tolerance to micro cracks
- FIELD RELIABILITY** is improved due to multiple contact points on the cell which lowers the cell stress during module fabrication
- LCOE IS CUT BACK** by using M10 size solar cell with adding more power output than lower size cell module
- LOWER INTERNAL RESISTANCE** boosts module power helping to achieve minimal power loss with respect to previous variant modules







SHADE TOLERANCE



HALF-CELL MODULE
Functions like two parallel modules, enabling the half-cell string to work in partial shading which is absent in full-cell module

APPLICATIONS

- On-grid large scale utility systems
- On-grid rooftop, industrial and commercial systems
- Rooftop residential systems




VLL/SOMERA/2017/011 | www.vikramsolar.com


ARKA SERIES


WSMD-515 to WSMD-545


WAAREE


One with the Sun



Highest reliability & enhanced crack tolerance 1000 module



Module linking half cut cell for optimum performance

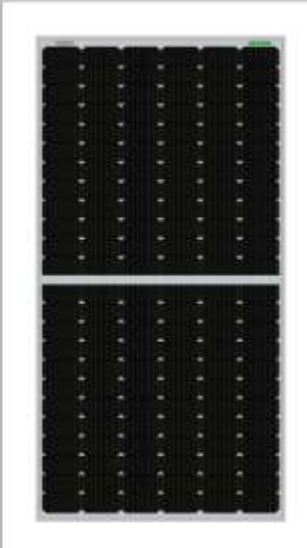

Highly efficient Mono PERC M10 cells


Best in class thermal coefficients

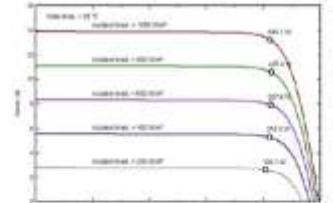

Highest commercial gains, lower LCOE



Soft anode tin improve fast disassembly


Increase shade tolerance

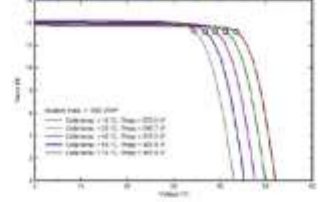


I-V VARIATION WITH IRRADIANCE

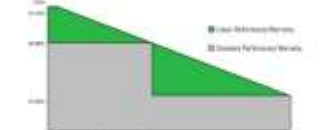




I-V VARIATION WITH TEMPERATURE



The Graphs are for reference purposes. Please consult Waaree technical spec for further clarifications.



ISO 9001:2015 | ISO 14001:2015 | ISO 45001:2018
Independent assessment of factories by BLACK & VEATCH

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STRUCTURE

3" X 1.5" Rectangle GI Pipe 20 SWG

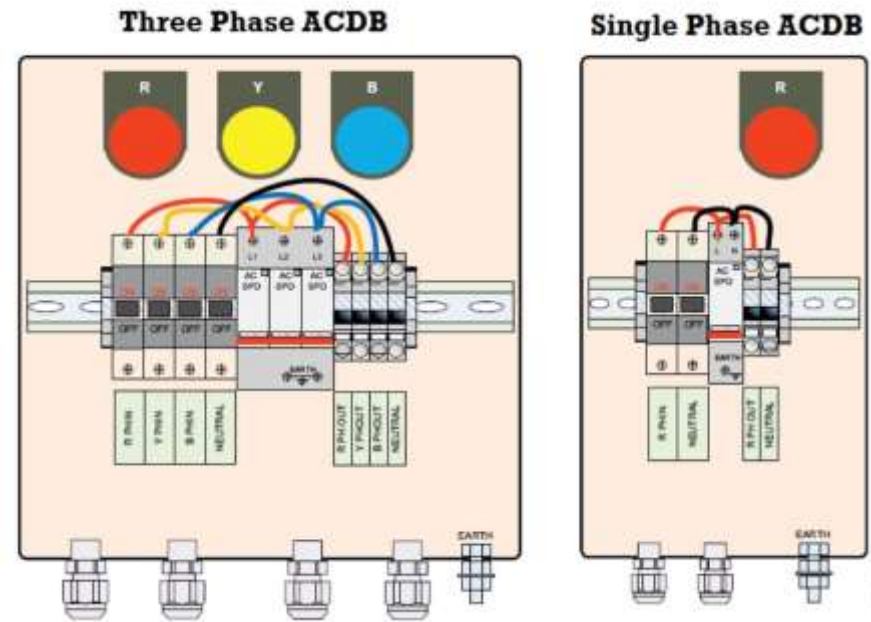


PROTECTION DEVICES

ACDB + DCDB

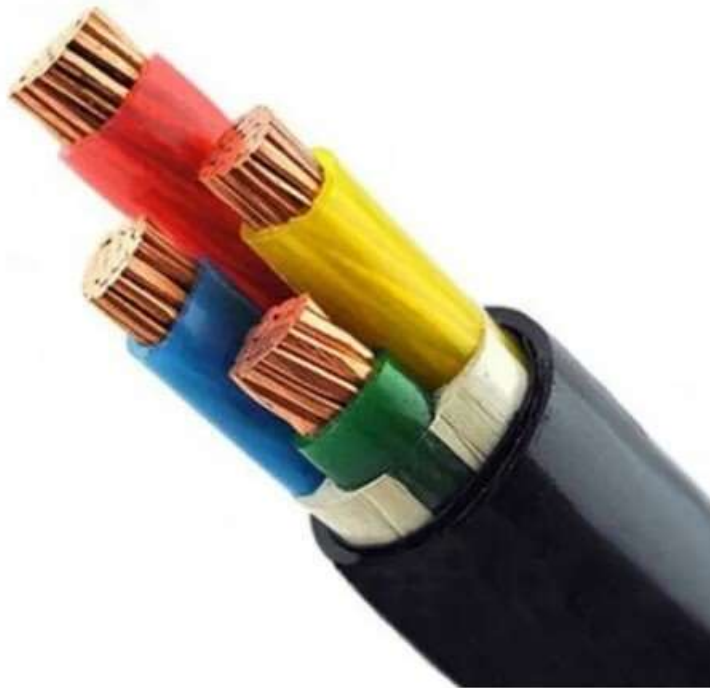


CIRCUIT DIAGRAM



CABLES

CABLES POLYCAB AC
CABLE



Polycab DC CABLE



Earthing Cable



METER

1. NET METER BI-DIRECTIONAL



2. GENERATION METER



EARTHING MATERIAL

MC4 CONNECTOR



COPPER LUGS



LIGHTNING ARRESTOR



SERVICES

- ▶ 24 x 7 AMC Technical support.
- ▶ Supply and Installation of Solar Photovoltaic Panels.
- ▶ Supply and Installation Solar Inverter.
- ▶ PV Module, DC cabling up to solar inverter.
- ▶ Inverter AC/DC cabling up to solar inverter.
- ▶ Testing commissioning of load extension & Net metering process etc.
- ▶ 5 years all components warranty as per MSEDCL.

THANK YOU..!
