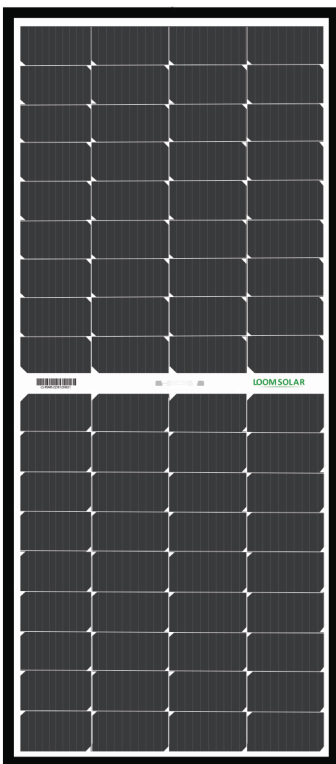


LOOM SOLAR

SHARK 225

72 Cells / Mono PERC / 1000V DC / 20.40% Module Efficiency



KEY FEATURES



Higher module conversion efficiency

Maximize limited space with high efficiency mono PERC cells
Half-cell design, lower R_s loss, lower hot spot temperature



Highly reliable due to stringent quality control

100% EL double inspection
In-house testing goes well beyond certification requirements



Excellent low light performance

Excellent low light performance on cloudy days
mornings and evenings



Certified to withstand the most challenging environment

2400 Pa wind load • 5400 Pa snow load • 25 mm hail stones at 82 km/h



High system voltage compatible

Maximum 1000V DC system voltage saves total system cost



IP 68 junction box

High waterproof level for long term weather endurance

QUALIFICATIONS & CERTIFICATES

- IEC 61215, IEC 61730
- ISO 9001: Quality Management System
- ISO 14001: Environment Management System
- OHSAS 18001: Occupational Health and Safety

LOOM SOLAR

Loom Solar is a manufacturer of solar panels and Lithium batteries based out of Faridabad, Haryana. It is an ISO 9001 - 2015 certified company and recognized startup by Govt. of India. It is present in 500 districts across India having 3500 resellers, 100 employees, 2 offices and 1 Manufacturing unit.

WARRANTY



10 years Product Warranty



25 years Performance Warranty



LOOM SOLAR PVT. LTD.

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LOOM SOLAR

ELECTRICAL DATA *STC

Model Type	Shark 225
Maximum Power Pmax (W)	225
Maximum Power Voltage Vmp (V)	21
Maximum Power Current Imp (A)	10.72
Open Circuit Voltage Voc (V)	25
Short Circuit Current Isc (A)	11.45
Module Efficiency (%)	20.40

Cell Temperature 25°C STC: Irradiance at 1000W/m², Air Mass AM 1.5

TEMPERATURE RATINGS

Temperature Coefficient of Isc (Isc)	+0.05% / °C
Temperature Coefficient of Voc (Voc)	-0.29%/°C
Temperature Coefficient of Pmax (Pmp)	-0.36%/°C
Nominal Operating Cell Temperature (NOCT)	-45°C ± 2°C

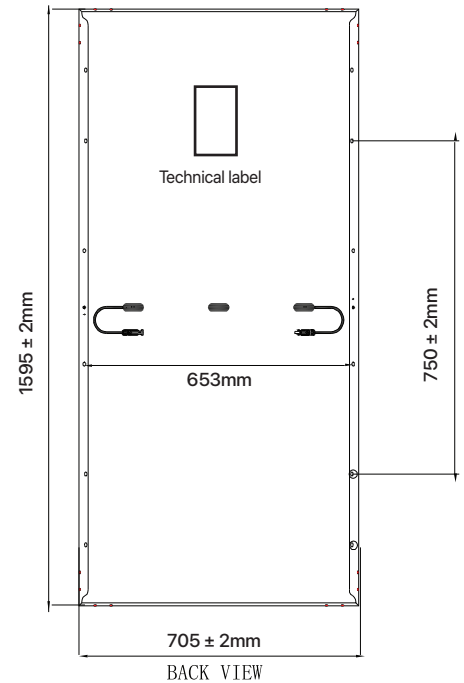
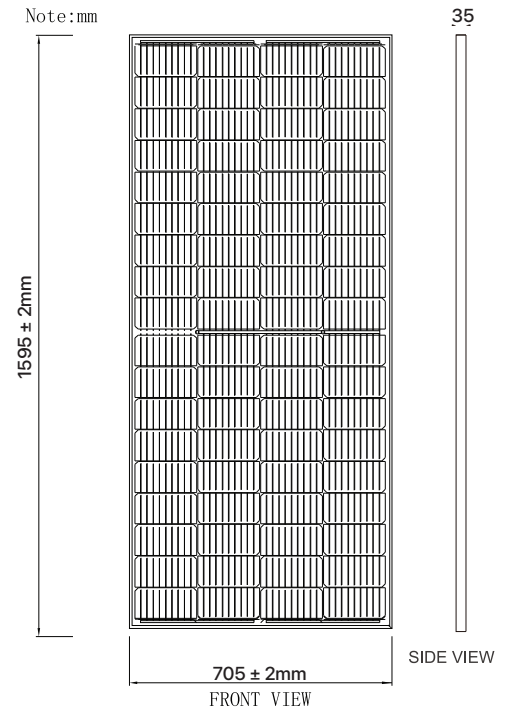
OPERATING PARAMETERS

Maximum System Voltage	VDC 1000V
Operating Temperature	-40°C to 85°C
Maximum Series Fuse	20A
Maximum Test Load, Push/Pull	5400Pa/2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Power Tolerance	± 5W

MECHANICAL DATA

Solar Cell Type	Mono Perc
Number of Cells	72 Cells (9x4) (9x4)
Module Dimensions	1595mmx705mmx35mm
Weight	12.5 Kg
Front Glass	AR-coating toughened glass, 3.2 mm
Frame	Black/Silver Anodized Aluminium
J-Box	Split Junction Box (IP68)
Cable	1000 mm, 4 Sqm
Number of diodes	3
Connector	MC4 IP68 compatible

DIMENSION



*Installation instruction must be followed. See the installation manual or contact our technical service department for further information on approved installation.
 *The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Loom Solar (India) Pvt. Ltd. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

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