



ganga

120 Watt Monocrystalline Silicon

The all-new era of efficiency and performance that sets new standards in the industry.



 10 year product warranty

Product & System Certifications



ISO 9001:2015
ISO 14001:2015
ISO 45001:2018



R-72008125



IEC 61215-1 & 2: 2021
IEC 61730-1 & 2: 2023
UL 61730-1 & 2: 2022

Quality & Reliability

IP68-rated junction box designed for long-term weather endurance.

Manufactured using high-grade raw materials to ensure superior quality, durability, efficiency, and high throughput.



Module Efficiency
up to 19.12%



33
Half Cell



Weather
Resistant



Excellent Outdoor
Power Generation

Module Image Is For Reference Only, Actual Appearance May Vary.

TECHNICAL DATASHEET

TECHNICAL DATA FOR SMF33HM10-120WP MODULE

ELECTRICAL CHARACTERISTICS AT STC

MODULE TYPE	SMF33HM10-120
Maximum Power at STC - (P _{max})(Wp)	120
Voltage at P _{max} (V _{mp})(V)	19.45
Current at P _{max} (I _{mp})(A)	6.17
Open Circuit Voltage (V _{oc})	22.21
Short Circuit Current (I _{sc})(A)	6.51
Module Efficiency (%)	19.12
Maximum System Voltage (V)	1000

Standard Test Conditions (STC): Irradiance: 1000 W/m², AM 1.5 and cell temperature of 25°C

MECHANICAL CHARACTERISTICS

Module Size (L x W x H) (mm)	1073 x 585 x 30
Mounting Hole (Y-axis) (mm)	600
Mounting Hole (X-axis) (mm)	547
Solar Cell Matrix	11 x 3

SPECIFICATION	DETAILS
Solar Cell Type	Monocrystalline Silicon (PERC) - 10 BB
Solar Cell Size	91 x 182 mm
Front Cover	3.2 mm, High Transmission, Tempered Glass
Encapsulate	Ethylene Vinyl Acetate
Frame Material	Silver Anodized Aluminium Alloy
Connector	As per Customer Requirement (Optional)
Cable	As per Customer Requirement (Optional)
Standard Packing (Modules per Box)	5 in 1 Box (Corrugated Box)

GUARANTEES AND CERTIFICATIONS

Product warranty**	10 years
Performance guarantee**	Limited warranty for power output :- 90% for 10 years, and 80% for 25 years
Product Certified	IS-14286, IS-61730:1, IS - 61730:2

**applicable only when module installation done as per Solex's installation manual

