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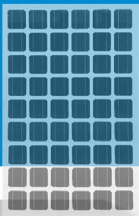
**Solar Panel Guide
Specification Data Sheet**

**Sonali Energiees Pvt., Ltd
SS 155-170 BIPV
SS 170**

Also available on the web at
EnergyPal.com/sonali-energiees-pvt-ltd-solar-panels/ss-170

SONALI SOLAR

LEADING MANUFACTURER OF PV MODULES



155 TO 170 - BIPV

Quality Product

- All Manufactured modules are tested 100% by EL (Electroluminescence) during the Production Process.
- Our high-performance modules are highly efficient, reliable and provide optimum output.

High Efficiency

High Module efficiency is obtaining top performance even in diffused light conditions. We are leaders in providing our customers with maximum sunlight conversion efficiency.

Our Team

We have a team of qualified experts and engineers making sure our modules produce maximum power per square foot. We pride ourselves in caring for each individual customer needs with detailed attention. Our end goal is to give a highly efficient product with exceptional customer service.

Feature

- Aesthetic and all-size BIPV modules provide wide range of applications in photovoltaic architectures
- Extended module service life with cells embedded in high quality EVA and solar safety glass on both front and back sides.
- Optical, mechanical and electrical module testing throughout the production process
- Highly automated and precise production line ensure consistently high level of product quality
- Promising quality inspections before delivery
- We do customize BIPV upon customers' requests. Please contact us for further information.



US OFFICE:

Sonali Energiees USA LLC.,
409 Grand Avenue, Suite 3,
Englewood, NJ 07631
Tel: 201-568-1424
Toll Free: 1.888.58.SOLAR
salesusa@sonalisolar.com
info@sonalisolar.com

Europe Office:

Sonali Energiees EU Ltd.
8, Baffins Court,
Chichester PO19 1UA,
United Kingdom,
Ph.: 00441243774009
Carsten.pump1@sonalisolar.com

Manufacturing Facility:

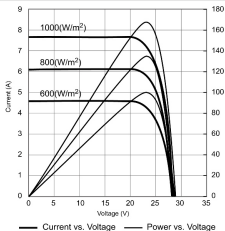
Plot No. 180-199
Surat Special Economic Zone
Sachin-Dist. Surat 394230
Gujarat, India
Tel: +91 0261 2399910
Ph.: +91 9978968011
sales@sonalisolar.com

SPECIFICATION

Type of Module	170-BIPV			
	155 W	160 W	165 W	170 W
Tolerance	± 3%	± 3%	± 3%	± 3%
Open Circuit Voltage [V]	28.65	28.75	29.04	29.32
Short Circuit Current [A]	7.41	7.57	7.68	7.84
Maximum Power Voltage [V]	22.58	22.67	22.99	23.22
Maximum Power Current [A]	6.86	7.06	7.18	7.32
Module Efficiency [%]	10.18	10.51	10.84	11.17
Series Fuse Rating [A]	12	12	12	12
Terminal Box	IP65	IP65	IP65	IP65
Maximum System Voltage	DC1000	DC1000	DC1000	DC1000
Operating Temperature [°C]	-40 to 85	-40 to 85	-40 to 85	-40 to 85

STC: irradiance level 1000W/m², spectrum AM 1.5 and cell temperature 25°C

Electrical Characteristics



Electric Performance Typical Performance Characteristics

Short Circuit Current Temperature Coefficient /K	+0.07%
Open Circuit Voltage Temperature Coefficient /K	-0.34%
Maximum Power Temperature Coefficient /K	-0.45%

Performance Warranty: 90%output, 10years | 80% Output 25 Years

Quality Assurance

1. Electrical Insulation test
2. Outdoor exposure test
3. Hot-spot endurance test
4. UV-exposure
5. Thermal cycling test
6. Humidity freeze test
7. Damp heat test
8. Robustness of terminations test
9. Wet leakage current test
10. Mechanical load test
11. Hail impact test
12. Bypass diode thermal test

Physical Specifications

Dimension

Length : 1428mm/56.22in

Width : 1066mm/41.97in

Depth : 13.5mm/0.53in

Weight : 50kg/pcs

⊗ Specifications and design are subject to change without further notice.

