

SOLAR SYSTEM QUALITY ASSURANCE

SB ELECTRONICS ENGINEERING AND CONTROL (PVT) LTD. (SBEEC)

being the best and experienced Solar Energy Company in Pakistan has got you covered with its cost-effective and resilient Solar Systems, to switch your energy production conveniently to Solar and gain you energy independence. Get the best Solar Panels, Inverters and design your Solar structure from top-rated manufacturers.

**GO SOLAR
NOW WITH US!**

Authenticity of the Panels

We purchase authentic Panels by identifying Serial # of each panel from panel manufacturer or from flash report.

Locally assembled or 2nd hand Solar panel with fake brands can reduce cost by 10k to 15k/kw and affect Solar output throughout the life of the Project costing the Owner multiple times of the initial cost reduced.

**72M HC
520-540 Watt**

MONOCRYSTALLINE MODULE

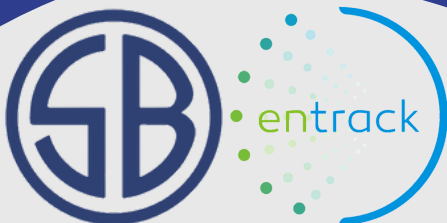
Positive power tolerance of 0~+3%

ISO9001:2015-ISO14001:2015-ISO45001:2018 certified factory.

IEC61215, IEC61730, certified products.



Order Now!



**SB ELECTRONICS ENGINEERING
AND CONTROL (PVT) LTD. (SBEEC)**

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Difference of Costs

in different Inverter Manufacturers



Huawei



Huawei Inverter

We only acquire inverters from the market leader and most reliable brand Huawei

Inverter is the brain and the heart of the Solar system

Other Cheaper brands can be 5 to 20% less costly than Huawei and can reduce initial cost by Rs. 1k to 2k per kW but affects project life

Other Equipment

LT panels with these equipment are not used as a breaker or contactor is used.

We ensure that **lightning arrester** and **earthing** is adequately designed according to the system requirements.

Surge Suppressors

Energy Analyzer

Higher Breaking Capacity Breakdown (kA)



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Structure Design

Our team checks PV Panel mounting angle based on SAP test reports for proper design.

Structure thickness gauge, coatings and panel angle are reduced to reduce structural cost



Other ways of Reducing Cost

Sub-standard DC/AC cables result in losses and safety issues. This can have an effect of Rs. 1k to 3k per kW on the initial cost

We use cables of 99.99% electrical conductivity directly from reliable manufacturer of aluminum or copper

PV cables must comply with IEC 50618/62930.

newage
CABLES



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How to get best Solar Solution?

Ensure that the company has the **trained Solar and electrical/mechanical engineers** from the Design/Engineering to Installation/Commissioning of the system.

SB Electronics Engineering and Control (Pvt) Ltd. (SBEEC) has got the best team in the Market as they provide:

- **Guaranteed Least Cost** of Solar System
- **Direct Procurement** from manufacturers of all major Components with **Zero-Margin**
- Engineered by the **most experienced team** in Pakistan.
- **Testing and Commissioning**
- Operations and Maintenance **Training**

Conclusion

Lower Quality Solar System without the above features can have an upfront price impact of **Rs. 20k to 25k per kW** reduced cost.

The factors mentioned above are crucial to buying a Solar System that will operate satisfactorily for the expected **20 to 25 years** of project life.

Ensure a **quality** Solar system **from us** to get optimized energy production over **25-year** expected life of the project, safely and cost-effectively.

This will result in reduced Solar Output so the Solar benefit can be reduced by **15 to 30%** reduced output which will be multiple times of reduced upfront cost.



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