



BISOL photovoltaic kit

BISOL PV KITS are an excellent solution for customer specific PV installations suitable for any residential house. Own energy production from the solar source not only contributes to a cleaner environment, but also presents new investment opportunities provided by the government guaranteed incentives.

BISOL offers the complete assortment of all the necessary PV components that can be combined and matched according to the individual requirements of specific PV power plants. By providing consulting and technical support **BISOL** takes a step further to reach that extra high number of kWh produced. 'Nothing is too good for our customers!'

EXCELLENT PERFORMANCE

BISOL PV kits include one of the best performing PV modules in the world, and ensure a reliable, long-term and highly efficient performance of the PV systems. All additional components support the superior PV module performance all the way to the grid.

QUALITY & RELIABILITY

BISOL PV kit solutions are composed of carefully selected best quality components available on the market. Thoughtfully designed and vigorously tested to successfully withstand the most rigorous weather conditions, they will continue to provide efficient energy production also for the upcoming generations.

AESTHETIC DESIGN TO SUIT EVERY HOME

BISOL PV kits are available in various designs with PV modules ranging from standard to the very elegant all-black. Their excellent performance is matched by extremely aesthetic appearance, complementing the visual standards of any home.



Examples of standardized BISOL PV kits

Kit Size	Power	Module Type	Module Configuration	Inverter	Mounting System
2 kWp	1912 Wp	8 x BMU/239	2 x 4 or 1 x 8	SMA SB 2000 HF	Solrif® or BISOL 40
2 kWp	1960 Wp	8 x BMO/245	2 x 4 or 1 x 8	SMA SB 2000 HF	Solrif® or BISOL 40
3 kWp	2940 Wp	12 x BMO/245	3 x 4 or 2 x 6	SMA SB 3000 HF	Solrif® or BISOL 40
4 kWp	3978 Wp	18 x BMU/221	3 x 6 or 2 x 9	2 x SMA SB 2000 HF	BISOL 40
4 kWp	3920 Wp	16 x BMO/245	2 x 8 or 4 x 4	2 x SMA SB 2000 HF	Solrif® or BISOL 40
6 kWp	5880 Wp	24 x BMO/245	4 x 6 or 2 x 12 or 3 x 8	2 x SMA SB 3000 HF	Solrif® or BISOL 40
8 kWp	7956 Wp	36 x BMU/221	6 x 6 or 4 x 9	SMA STP8000 TL10	BISOL 40
8 kWp	7840 Wp	32 x BMO/245	4 x 8 or 2 x 16	SMA STP8000 TL10	Solrif® or BISOL 40
9 kWp	8820 Wp	36 x BMO/245	6 x 6 or 4 x 9	SMA STP10000 TL10	Solrif® or BISOL 40

*BISOL reserves the right to change any component of PV kits while ensuring technically comparable solutions of identical quality.

MODULES: Premium quality BISOL PV modules

BISOL PV modules are produced in Europe and undergo strict quality control to comply with the principal international standards IEC 61215, IEC 61730 and MCS. All components and materials used in the production are of best quality, pre-certified, tested, and originate from well-established suppliers. All BISOL PV modules are overpowered, with real (flashed) power exceeding the nominal by up to 6 Wp and exhibit extremely low degradation rates as confirmed by the TÜV-performance-over-time testing. Their superior performance is also proven by the Photon PV module yield test, where BISOL PV modules regularly achieve above average results. BISOL offers its customers a 10-year product warranty along with a 25-year warranty on 80% power output. Excellent energy yields and high returns on investment are the reason why BISOL modules are definitely a safe and effective choice for your PV system.

MOUNTING SYSTEM:

BISOL mounting system (with various types of clamps & hooks to suit your roof)

BISOL's premium mounting solutions for photovoltaics combine superior design and durability for extremely easy installation and long-term performance. All quick-mounting rails are made of aluminium EN-AW 6063 T66 and all roof attachments are of stainless steel 1.4301 (AISI 304). They are lightweight, designed to reduce the standard set-up time, and can be adapted to suit any type of roof.

Solrif®

The Solrif® system (Solar Roof Integration Frame) enables the integration of PV laminates into the roof and replaces conventional roofing. Suitable for sloping roofs of almost any kind, the Solrif® system is aesthetically pleasing and easy to install. The materials used in the Solrif® system are durable, allowing long-term operation of the PV power plant, and can be combined with a wide range of roof materials.

INVERTER

Along with the photovoltaic modules, the inverter is a central element of the PV system. It converts the DC current produced by the solar cells to AC current and feeds it into the public grid, while managing the system at the same time. With almost 30 years of experience in systems technology for photovoltaics, SMA develops and manufactures highly efficient and reliable solar inverters for various sizes of solar systems. Depending on the size and specifications of the kit, we will help you choose the right inverter among brands such as SMA, Kaco, Kostal and Power-One.

DATA GENERATION and MONITORING EQUIPMENT

Reliable operation and maximum energy yield of the PV system can only be controlled through constant monitoring. With data generation and monitoring equipment you can monitor the efficiency of your solar system at any time and therefore quickly detect any malfunctions, thus ensuring that your investment is consistently achieving the highest returns. Depending on the requirements of the specific market, we offer different monitoring systems, such as the widely used SMA Sunny Beam.

ELECTRICS: AC & DC box, switches, cabling & other accessories

The PV kit comes complete with all the components and accessories necessary for a standard photovoltaic installation.

Personalize Your Kit

Select the individual components of your PV kit from our wide range of PV modules, inverters, mounting systems and other components according to your needs and the specific demands of your local market.

www.bisol.com