



## Solar panels and more!!

### Who are we

AB Solar Africa is a joint venture between DSE group and Iborst System Engineering Services. DSE group (Dutch Sustainable Energy group) was founded in 2009 and started with PV solar installations in 2010. They spring from a company called Arends Techniek, who has been active in installing solar in the Netherlands for a long time. They have done many installations ranging from small residential up to large scale industrial systems. Together with their teams, they have commissioned over 2800 solar installations. Iborst System Engineering Services is an electrical engineering company founded in 2012 and has a huge experience in electrical installations in Ghana. They are fully licensed by the energy commission and are the perfect partner for all kind of electrical engineering.

### Quality

Good quality starts by selecting the right materials. We only use A-grade products in our systems to ensure optimal protection for our customers. Panel manufacturers like Trina Solar and Phono Solar have been ranked in the list of Tier One manufacturers for many years, and have all the certificates like TUV, UL and CE. This means the best warranties available. We are part of Fronius' "Certified Service Partner" program.

### What are the benefits?

With a solar system you create a stable energy supply for any situation.

With the high energy cost in Ghana you can realize a considerable saving on your electricity bill.

- ✓ Save monthly cost of electricity payment.
- ✓ A stable power supply.
- ✓ Return of investment within 4 years.

If you are interested in one of our products or you need more information please don't hesitate to contact us.

You can reach us via mail [info@ABSolar-africa.com](mailto:info@ABSolar-africa.com)

Or by phone +233 55 7800170 or +233 24 4808847

Check our website: [www.absolar-africa.com](http://www.absolar-africa.com)

### Example calculation:

#### Solar system of 100KW

- 400 solar panels (660m<sup>2</sup>)
- DC to AC inverters incl. DC cables
- Mounting structure for steel roof
- Installation of solar system
- Cost price DDP is ± € 120.000 incl. VAT Return on investment smaller than 4 years.

#### Energy prices:

In Ghana the energy price per kWh for larger consumers is approx. ± € 0.21(1.15GHC).

#### Return on investment turn key:

$$\frac{€ 120.000 \text{ (total investment)}}{140.000 \text{ kWh} \times € 0.21 = € 29.400} = 4 \text{ years}$$

