1,500 Volt will be the New Standard

BELECTRIC's high efficient 1,500V_{DC} architecture enables a reduction of 30% of eBOS components

→ 30% lower logistics cost for eBOS transport

→ 30% lower labor cost for eBOS installation

→ 30% lower maintenance cost related to eBOS

BELECTRIC®

The 1,500 Volt Technology Challenge

- **Lack of experience**
- **New requirements for product engineering and design**
- **Availability of 1,500V_{DC} components**

→ **<u>The solution is provided by good partnerships:</u>**

Module supplier in general and technical collaboration

Inverter stations with 1,500V_{DC} (e.g. GE, SMA)

DC cabling and qualified substructure (Jurchen Technology)

DC combiner boxes and float controller (PADCON)

BELECTRIC®

JURCHEN TECHNOLOGY

PHOTOVOLTAIK-TECHNIK PADCON Future technologies.

It’s not a dream. It’s reality since 2012

- **Fact #1:** Since 2012 BELECTRIC has commissioned >>100MWp of 1,500V_{DC} utility-grade PV power plants AND numerous multi-megawatt projects in different countries are in pipeline
- **Fact #2:** From module to substructure to inverter, all components are available and approved to operate at 1,500V_{DC}
- **Fact #3:** Availability of 1,500V PV_{DC} modules is rising

→ **1500V_{DC} is new standard in solar power plants and available through tier one EPC´s world wide.**

Intersolar/EES: BELECTRIC B2.580 and A4.650

BELECTRIC®