

Certificate

Registration No.: PV 60023193

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Report No.: 21208859-2

License Holder:

**Emmvee Toughened Glass
and Photovoltaics Pvt Ltd.**

"Solar Tower" #55, 6th Main
11th Cross, Lakshmaiah Block
Ganganagar, Bangalore – 560 024
India

Manufacturing Plant:

Emmvee Toughened Glass
and Photovoltaics Pvt Ltd.,
13/1, Bellary Road (NH7),
Sonnappanahalli, Bettahalasur Post,
Bangalore – 562 157
India

Product:

PV Modules

Type:

ES 190 M60, ES 195 M60, ES 200 M60,
ES 205 M60, ES 210 M60, ES 214 M60,
ES 215 M60, ES 220 M60, ES 225 M60,
ES 230 M60.
ES 190 P60, ES 195 P60, ES 200 P60,
ES 205 P60, ES 210 P60, ES 214 P60,
ES 215 P60, ES 220 P60, ES 225 P60,
ES 230 P60.

Basis:

- IEC 61730-1:2004**
IEC 61730-2:2004
EN 61730-1:2007
EN 61730-2:2007
"Photovoltaic (PV) module safety
qualification"

- Factory Inspection**
To document the consistent quality of
the product factory inspections are
performed periodically.



- Qualified, IEC 61215
- Safety tested,
IEC 61730
- Periodic Inspection

Remarks:

- IEC EN 61730 consists of part 1 (Requirements for construction) and part 2 (Requirements for testing).
- The above listed PV modules fulfil the requirements of Application Class A (Safety Class II). They may be used in PV plants at a maximum system voltage (Voc at STC) of up to **1000 VDC**.
- The fire test (IEC 61730-2 / MST 23) was not performed.

The details of the factory inspection are noted in report no.: 21209145.

Conditions:

The product test is voluntarily according to technical regulations. Any change of the design, materials, components or processing may require the repetition of some of the qualification tests in order to retain type approval.

The certificate is valid until 30 October 2013.

Cologne, 4 November 2008



Dipl.-Ing. M. Adrian