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EnergyPal

Solar Panel Guide Specification Data Sheet

**Elite Solar GmbH
ESP660 240-260
ESP660255**

Also available on the web at
EnergyPal.com/elite-solar-gmbh-solar-panels/esp660255



High Quality PV Modules Made in Europe

EliteSolar Performer ESP660240, ESP660245, ESP660250, ESP660255, ESP660260



	Power(max):	240-260 Watt
	Tolerance:	0/+5%
	Efficiency(max):	16,1%
	Size(±2):	1640x990x40
	Weight:	21Kg
	Load(max):	5400Pa
	Cert:	IEC, CE, TUV

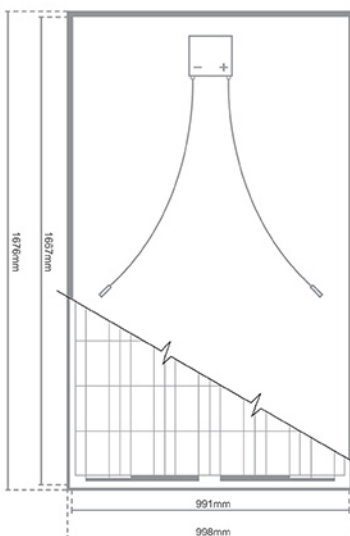
Guaranteed Power Made In Europe

- Highest product quality through carefully chosen materials all made in the European Union.
- Higher performance by only plus tolerance modules

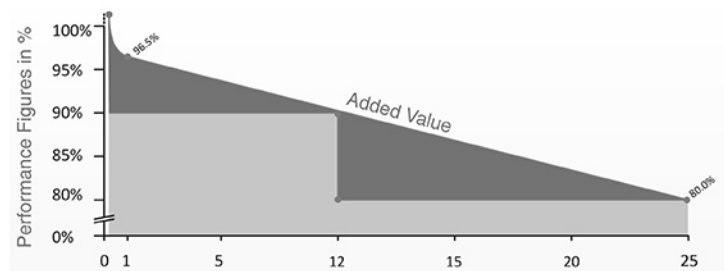
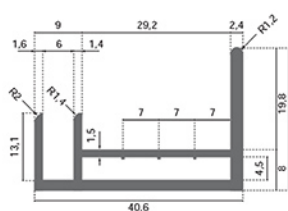
Warranty Conditions:

- 10 years product warranty
- 25 years power output warranty (90% up to 12 years and 80% up to 25 years)
- Product is IEC 61215 certified
- Protection class II certified by IEC 61730 norms
- CE conformity

Dimensions & Connection



Frame Profile(mm):



elite solar GmbH

Alte Landstr. 9
D-45329 Essen Germany
Email: info@elite-solar.de
Internet: www.elite-solar.de



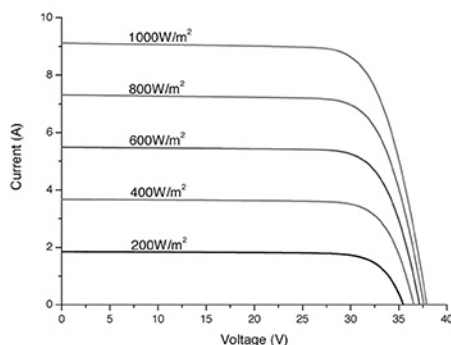
High Quality PV Modules Made in Europe

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Electrical Characteristics STC

Elite Solar Type	ESP660240	ESP660245	ESP660250	ESP660255	ESP660260
Maximum Power	240W	245W	250W	255W	260W
Short Circuit Current (Isc) A	8,57	8,63	8,71	8,80	8,89
Open Circuit Voltage (Voc) V	35,70	36,10	36,30	36,40	36,70
Maximum Power Current (Imp) A	8,00	8,05	8,17	8,30	8,42
Maximum Power Voltage (Vmp) V	30,00	30,40	30,60	30,70	30,90
Cell Efficiency %	16,94	17,30	17,65	18,00	18,36
Module Efficiency %	14,78	15,09	15,40	15,71	16,01
Power Tolerance %	0/+5	0/+5	0/+5	0/+5	0/+5

I-V Curves at Various Irradiation



Efficiency at Various Irradiation

Elite Solar Type	200W/m²	400W/m²	600W/m²	800W/m²	1000W/m²
240W	14,55	14,78	14,78	14,69	14,58
245W	14,86	15,09	15,09	15,00	14,89
250W	15,18	15,40	15,40	15,29	15,17
255W	15,50	15,71	15,71	15,60	15,50
260W	15,82	16,01	16,01	15,92	15,80

Maximum Ratings

Elite Solar Type	Value
Operating Temperature	-40°C ~ +85°C
Maximum System Voltage	1000V DC (EU) / 600V DC (US)
Maximum Series Fuse Rating	20A (EU) / 15A (US)
Maximum Hail Resistance	83 km/h up to (f)25mm

Mechanical Characteristics

Elite Solar Type	Value
Cell Type	Polycrystalline cells 6x60 pcs
Glass	Low iron tempered extra clear solar glass
Frame	Anodized aluminium
Junction Box	IP65 IEC 60529 with 3 bypass diodes
Panel Dimension(Framed)	1640x990x40mm (±/- 2mm)
Panel Dimension(w/o Frame)	1637x988x6mm (±/- 2mm)
Output Cable	N²2 cable 4mm² x 1mt (MC4 compatible)
Weight	21Kg (18Kg w/o Frame)
Max. Humidity	1,00

Packing Informations

Packing Type	Amount
Single Truck	344 pcs
Double Truck	728 pcs
Container 20"	344 pcs
Container 40"	728 pcs
Container 40" HQ	754 pcs

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