

**For a Free Quote:**

**Web: [EnergyPal.com/solar](http://EnergyPal.com/solar)**

**Call: 1-800-990-3725**

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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**Elite Solar GmbH**

**ESP660 240-260**

**ESP660250**

Also available on the web at  
[EnergyPal.com/elite-solar-gmbh-solar-panels/esp660250](http://EnergyPal.com/elite-solar-gmbh-solar-panels/esp660250)



# High Quality PV Modules Made in Europe

EliteSolar Performer ESP660240, ESP660245, ESP660250, ESP660255, ESP660260



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

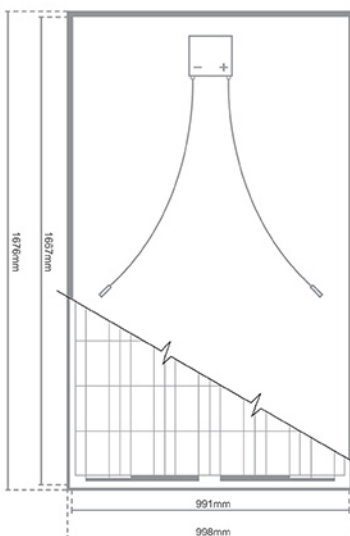
## Guaranteed Power Made In Europe

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

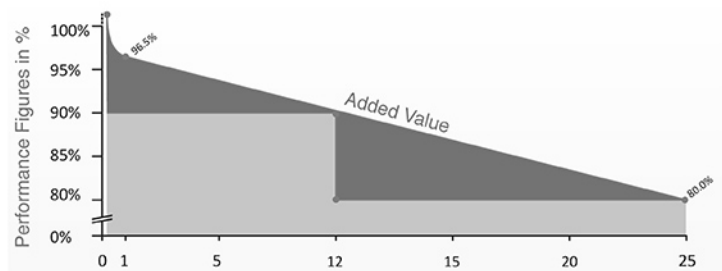
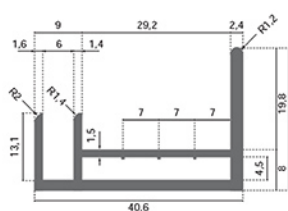
## Warranty Conditions:

- 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

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



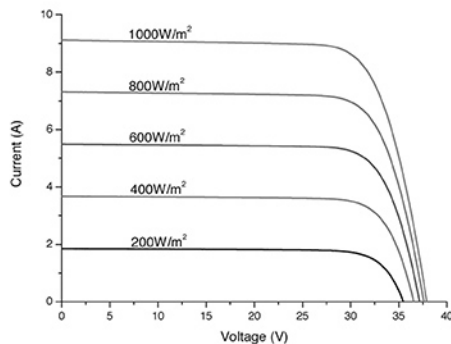
# High Quality PV Modules Made in Europe

EliteSolar Performer ESP660240,ESP660245,ESP660250,ESP660255, ESP660260

## 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/m <sup>2</sup>	400W/m <sup>2</sup>	600W/m <sup>2</sup>	800W/m <sup>2</sup>	1000W/m <sup>2</sup>
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	N <sup>2</sup> cable 4mm <sup>2</sup> 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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