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Solar Panel Guide Specification Data Sheet

Elite Solar GmbH

ESME660 260-285

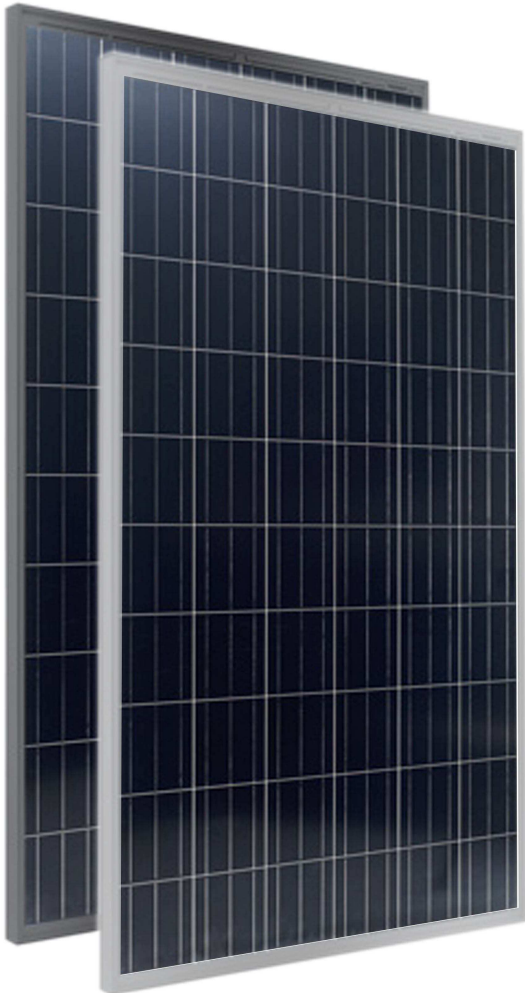
ESME660265

Also available on the web at
EnergyPal.com/elite-solar-gmbh-solar-panels/esme660265



High Quality PV Modules Made in Europe

EliteSolar Performer ESME660260, ESME660265, ESME660270, ESME660275, ESME660280, ESME660285



	Power(max):	285 Watt
	Tolerance:	0 to +3%
	Efficiency(max):	17,6%
	Size(±2):	1645x985x41
	Weight:	22Kg
	Load(max):	5400Pa
	Cert:	IEC, CE, TUV

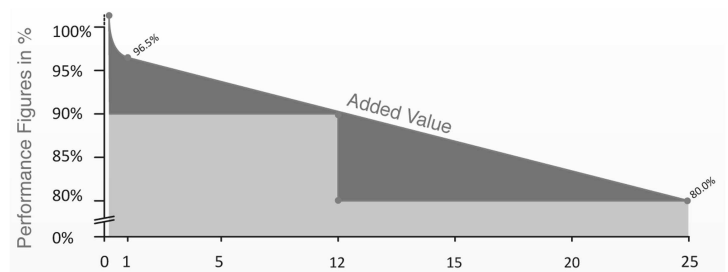
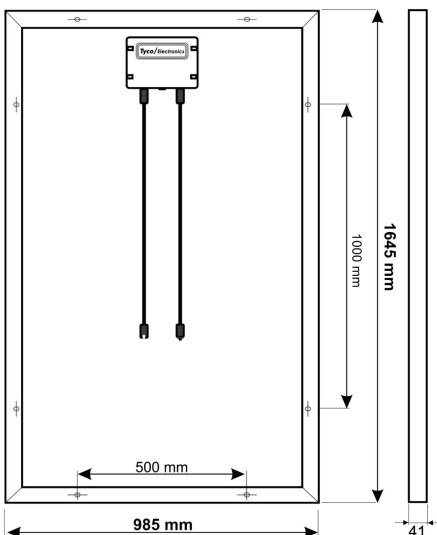
Guaranteed Power Made In Europe

- 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



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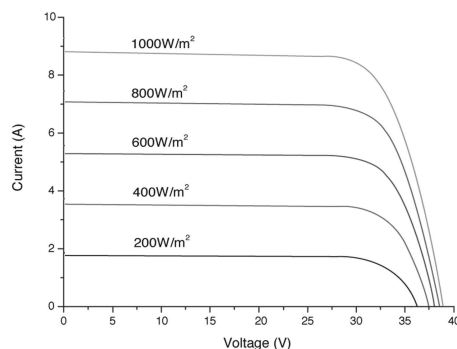
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Electrical Characteristics STC

	ESME660260	ESME660265	ESME660270	ESME660275	ESME660280	ESME660285
Maximum Power	260W	265W	270W	275W	280W	285W
Power Tolerance	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%	0~+3%
Module Efficiency	16,00%	16,40%	16,70%	17,00%	17,30%	17,60%
Maximum Power Current (Imp)	8,27A	8,30A	8,41A	8,47A	8,53A	8,59A
Maximum Power Voltage (Vmp)	31,40V	31,90V	32,20V	32,50V	32,80V	33,20V
Short Circuit Current (Isc)	8,87A	8,91A	8,95A	9,00A	9,06A	9,12A
Open Circuit Voltage (Voc)	37,70V	37,80V	37,90V	38,20V	38,40V	38,60V

Values at standard test conditions STC (Air Mass AM1.5, Irradiance 1000W/m², Cell temperature: 25°C)

I-V Curves at Various Irradiation



Efficiency at Various Irradiation

	200W/m ²	400W/m ²	600W/m ²	800W/m ²	1000W/m ²
260W	15,70%	16,00%	16,00%	15,90%	15,80%
265W	16,10%	16,40%	16,40%	16,30%	16,20%
270W	16,40%	16,70%	16,70%	16,60%	16,50%
275W	16,70%	17,00%	17,00%	16,90%	16,80%
280W	17,00%	17,30%	17,30%	17,20%	17,10%
285W	17,30%	17,60%	17,60%	17,50%	17,40%

Maximum Ratings

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 (I)25mm

Mechanical Characteristics

Cell Type	Monocrystalline cells 6x60 pcs
Glass	Low iron tempered solar glass
Frame	Anodized aluminium
Junction Box	IP65 Tyco with 3 bypass diodes
Panel Dimension(Framed)	1645x985x41mm (±2mm)
Panel Dimension(w/o Frame)	1637x977x5mm (±2mm)
Output Cable	N°2 Tyco cable 4mm ² x 1mt
Weight	22Kg (19Kg w/o Frame)
Max. Humidity	100%

Packing Informations

Single Truck	390 pcs
Double Truck	780 pcs
Container 20"	300 pcs
Container 40"	700 pcs
Container 40" HQ	770 pcs

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