

## Electrical performance

Module type			PLM-280MB-60DG	PLM-295MB-60DG	PLM-300MB-60DG
Power output	P <sub>max</sub>	W	280	295	300
Power tolerance	Δ P <sub>max</sub>	%	0 /+3	0 /+3	0 /+3
Module efficiency		%	17.02	17.93	18.24
Voltage at P <sub>max</sub>	V <sub>m</sub>	V	32.30	32.71	32.86
Current at P <sub>max</sub>	I <sub>m</sub>	A	8.67	9.02	9.13
Open circuit voltage	V <sub>oc</sub>	V	38.65	39.18	39.37
Short circuit current	I <sub>sc</sub>	A	9.24	9.48	9.56

STC: 1000W/m<sup>2</sup> irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3

## Thermal characteristics

Nominal Operating Cell Temperature	NOCT	°C	44±2
Temperature Coefficient of P <sub>max</sub>	γ	%/°C	-0.40
Temperature Coefficient of V <sub>oc</sub>	β <sub>voc</sub>	%/°C	-0.30
Temperature Coefficient of I <sub>sc</sub>	α <sub>isc</sub>	%/°C	+0.06



## Mechanical data

Solar cells	Monocrystalline 156.75 x 156.75mm
Cell orientation	6 x 10 cells
Module dimensions	1658 x 992 x 7.5mm
Module dimensions (junction box included)	1658 x 992 x 25mm
Weight	28 kg
Front glass	3.2 mm full tempered glass
Back glass	3.2 mm full tempered glass
Frame	Frameless
Junction box	IP 67
Cable	1400mm / 4mm <sup>2</sup>
Plug connectors	MC4 compatible



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### Certificates

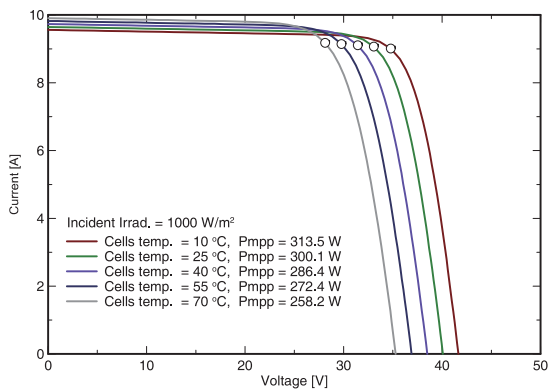
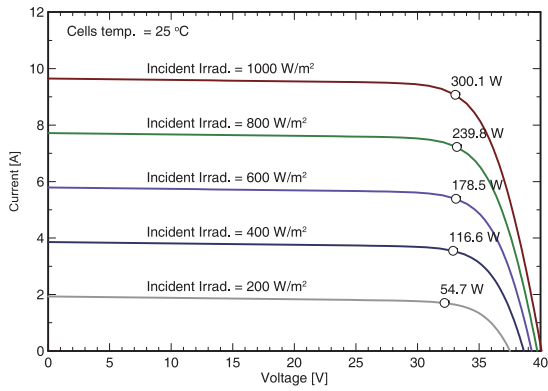
TÜV NORD	CEC	
CSA	MCS	
IEC	BPPT	ISO9001:2015
CE	FSEC	ISO14001:2015
JET	GOLDEN SUN	BS OHSAS 18001:2007

### Waranties

Product warranty	15 years
Power warranty	30 years

### Electrical Curves

PLM-300MB-60DG



### Module diagram

