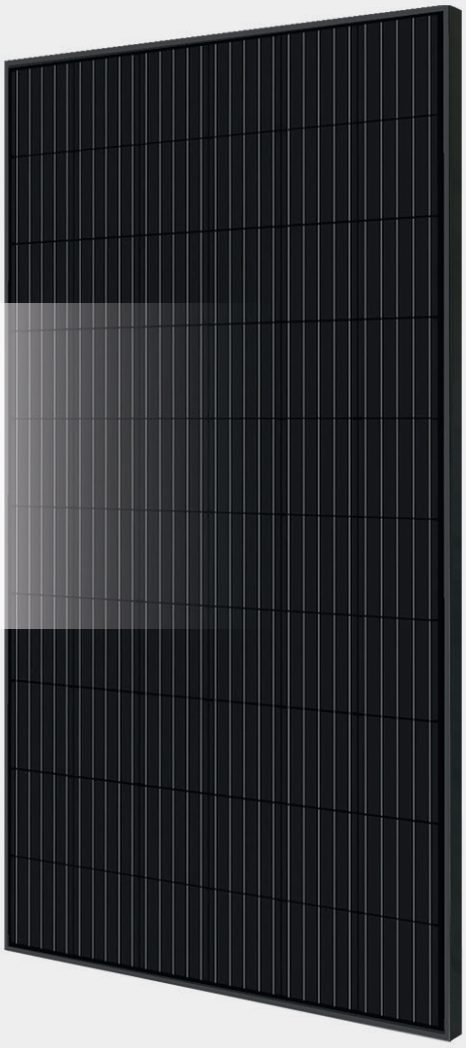
PERLIGHT
smart.black

MONOCRYSTALLINE SOLAR MODULE

PLM-330MB-60

BLACK PLUS SERIES



PERFORMANCE

Good performance even under low light conditions

RELIABILITY

Strict selection of raw materials and strict quality control ensure reliability

CLASSIC ALL BLACK

Ideal for Residential or Commercial

PRODUCT OVERVIEW

- High efficiency
- PERC technology
- 5 busbar
- Excellent low-light performance
- Clampable on Long & Short sides
- Extremely reliable screw-less frame
- Compatible with in-roof systems
- MCS Certified
- Worldwide accreditation

19.78%	MAX MODULE EFFICIENCY AFTER INSTALLED	12	YEARS LIMITED PRODUCT WARRANTY	25	YEARS PERFORMANCE WARRANTY

MONOCRYSTALLINE SOLAR MODULE

PLM-330MB-60

BLACK PLUS SERIES

PERLIGHT
smart.black

MODEL TYPE			PLM-330MB-60 BLACK PLUS SERIES		
Power Output	Pmax	W	320	325	330
Voltage at Pmax	Vmpp	V	33.96	34.18	34.32
Current at Pmax	Impp	A	9.42	9.51	9.63
Open-Circuit Voltage	Voc	V	41.12	41.33	41.52
Short-circuit current	Isc	A	9.98	10.11	10.23
Module Efficiency	Eff.	%	19.18	19.48	19.78

STC:1000W/m² irradiance, 25°C cell temperature, AM 1.5g spectrum according to EN 60904-3.
Power measurement uncertainty -/+3%

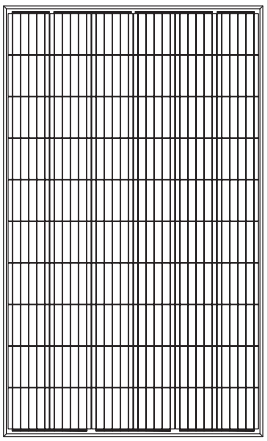
MECHANICAL CHARACTERISTICS	
Front cover	3.2mm low-iron tempered glass
Backsheet colour	Black
Type of cells	Monocrystalline Silicon 158.75*158.75
Number of cells	60
Frame	Black Anodised Aluminium
Junction box	IP67
Cables	900mm/4mm²
Connectors	MC4 compatible IP67
Module dimensions	1665 x 1002 x 35mm
Module weight	18.5kg

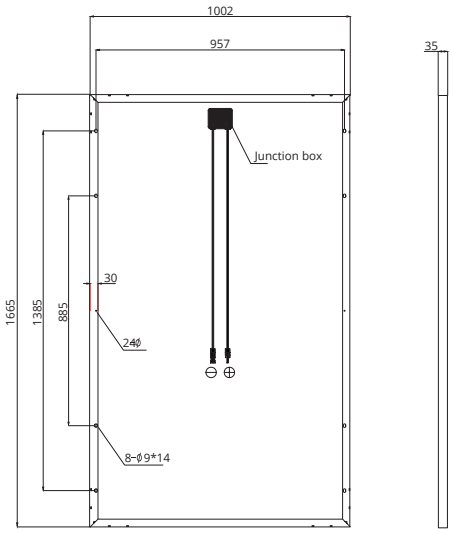
OPERATING CONDITIONS	
Max. system voltage	1000VDC
Limiting reverse current	15A
Operating temperature range	-40°C to 85°C
Max. static load front (e.g., Snow)	5400Pa
Max. static load back (e.g., Wind)	2400Pa
Max. hailstone impact	25mm@23m/s

THERMAL CHARACTERISTICS	
NOCT	45±2 °C
Temp. Coefficient Pmax	-0.40 %/°C
Temp. Coefficient Voc	-0.30 %/°C
Temp. Coefficient Isc	0.06 %/°C

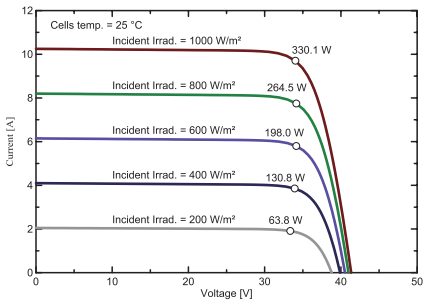
CLAMPING ZONES	
Long side	0mm to 410mm from edge
Short side	0mm to 248mm from edge

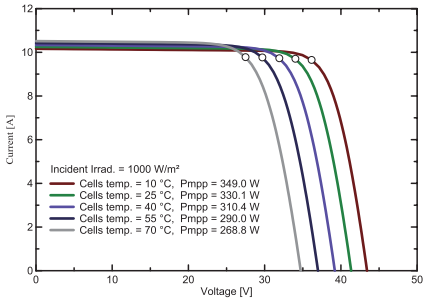
MODULE DIAGRAM





ELECTRICAL CURVES





WestechSolar

MCS CERTIFIED