

Technical details

Sandtoft

Electrical Performance

Module type	PLM-125MB-24 SERIES		
Power output	P_{max}	W_p	125
Voltage at P_{max}	V_{mpp}	V	13.33
Current at P_{max}	I_{mpp}	A	9.38
Open circuit voltage	V_{oc}	V	16.22
Short-circuit current	I_{sc}	A	9.79
Module efficiency	Eff.	%	18.2

STC: 1000W/m² irradiance, 25°C cell temperature, AM 1.5 spectrum according to EN 60904-3

Power measurement uncertainty is within +/- 3%

Thermal Characteristics

Nominal operating cell temperature	NOCT	°C	45±2
Temperature coefficient of P_{max}	γ	%/°C	-0.40
Temperature coefficient of V_{oc}	$\beta_{V_{oc}}$	%/°C	-0.30
Temperature coefficient of I_{sc}	$\alpha_{I_{sc}}$	%/°C	0.06

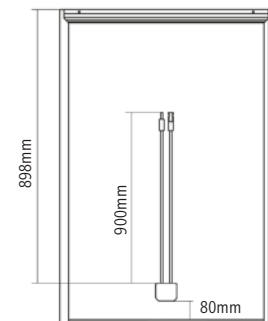
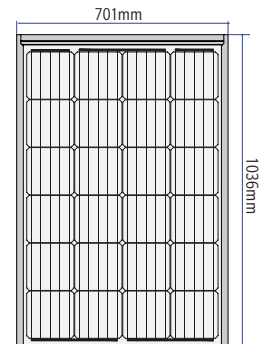
Operating Conditions

Max. system voltage	1000VDC
Limiting reverse current	15A
Operating temperature range	-14°C to 85°C
Max. static load front (e.g., snow)	5400Pa
Max. static load back (e.g. wind)	3420Pa

Mechanical Characteristics

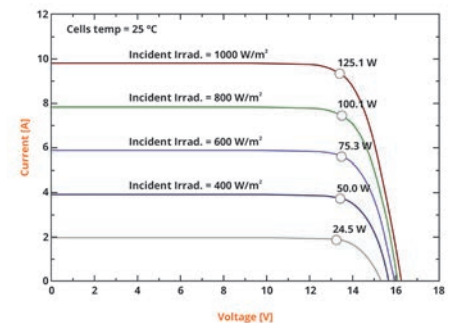
Front cover (material / thickness)	low-iron tempered glass/3.2mm
Backsheet (colour)	black
Cell (quantity/material/dimensions)	24/monocrystalline silicon/ 156.75x156.75mm
Frame (material/colour)	anodized aluminium alloy/black
Junction box (protection degree)	≥IP67
Cables & Plug connectors	900mm/4mm ² & MC4 compatible/IP67
Module Dimensions (L/W/H)	1036mmx701mmx24.5mm
Module Weight	8.95kg

Front and back profile



Irradiance I-V Curve

Showing how the current, power and voltage is affected by different light.



Cell Temperature I-V Curve

Showing how the voltage is affected by cell temperature.

