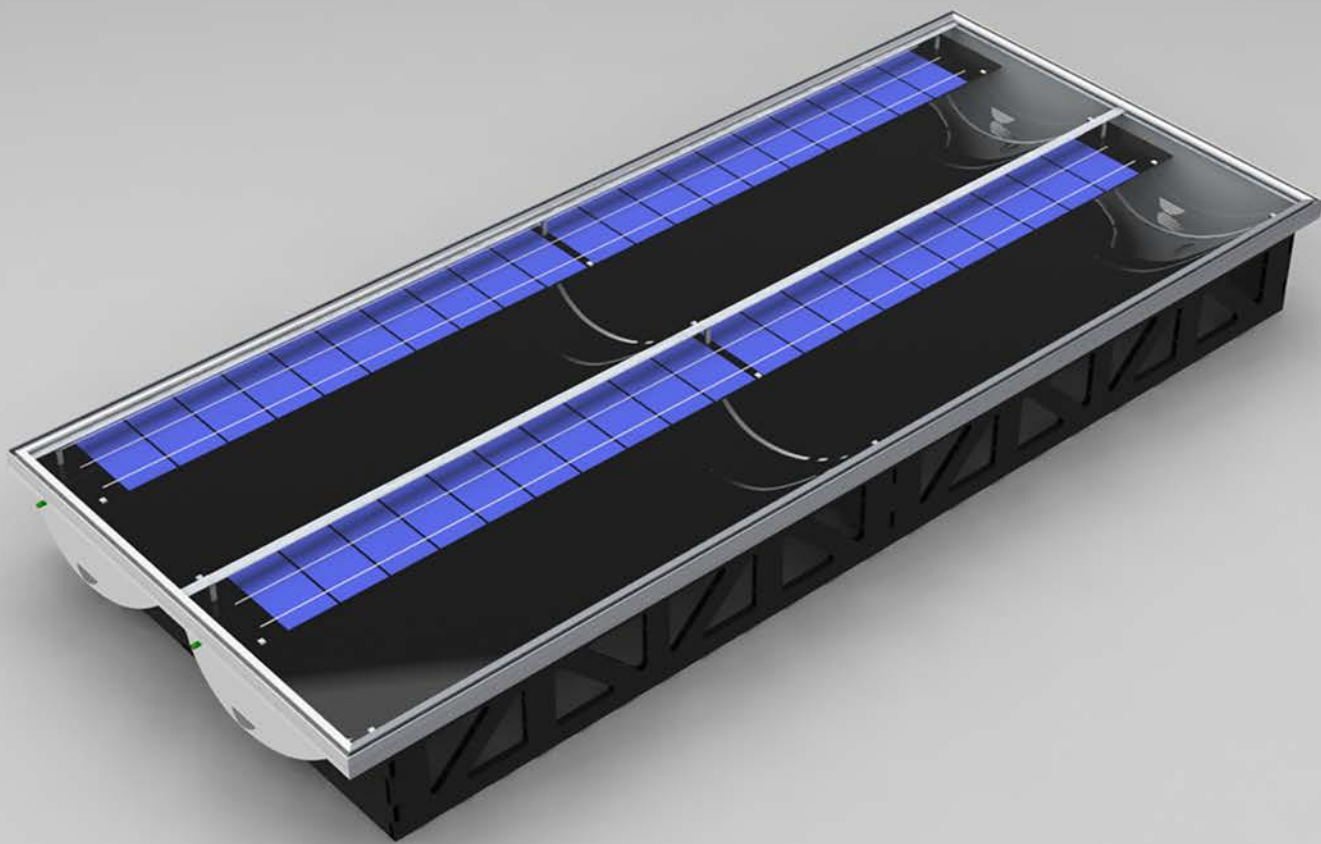


SOLARUS CPC-PV-300W

(Preliminary Technical Specification)



Solarus AB,
Hantverkargatan 20
76130 Norrtälje
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www.solarus.se

SOLARUS
Unlocking Solar Energy

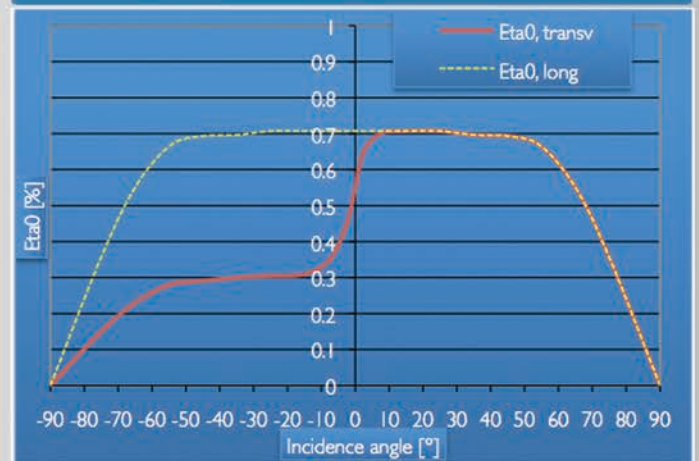
SOLARUS CPC-PV-300W

(Preliminary Technical Specification)

Maximum Power rating (P _{max}) at STC ¹	300 W
Warranted minimum P _{max} ²	240 W
Power tolerance	-2/+2%
Max operational temperature	200 °C
Max power voltage (V _{mp})	13.0 V
Max Power current (I _{mp})	23.0 A
Open circuit voltage (V _{oc})	15.6 V
Short circuit current (I _{sc})	24.2 A
Temperature coefficient of P _{max}	0.049%/°C
Temperature coefficient of V _{oc}	0.041%/°C
Temperature coefficient of I _{sc}	+0.088%/°C
Maximum System voltage	800 V
Maximum series fuse	30 A

Mechanical Specification	
Solar Cells	String ribbon multi crystalline
Number of Cells	26
Cell Dimensions	150 × 70mm (160um thickness)
Module Dimensions (L × W × H)	2368mm × 1014mm × 235mm
Weight	33 kg
Weight (wind) Bearing Potential	IEC61215
Hailstone Impact Resistance	IEC61215
Diodes	MBR1645 (Schottky)
Frame	Anodized aluminum
Cover	4 mm safety glass, antireflection surface, super transparent, hailstone safe

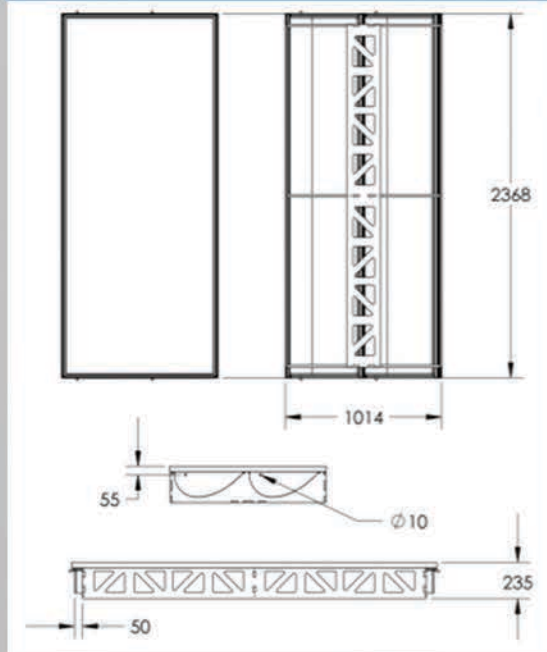
Efficiency at different irradiation angles



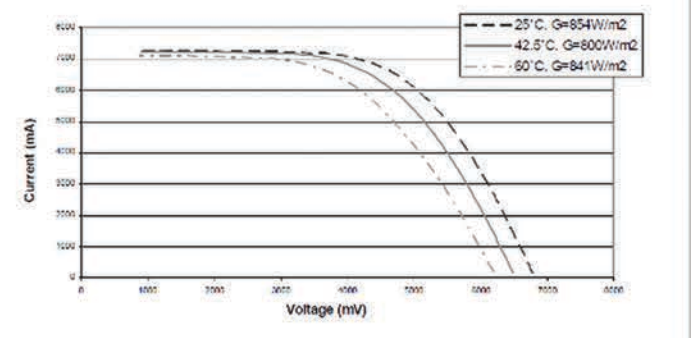
1 Standard Test Conditions: irradiance 1,000W/m², air mass AM1.5 (ASTM E892), cell temperature 25 °C

2 According to current Solarus warranty conditions

Drawings



Electrical output power temperature dependency



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