

APOLO

KS - 120 HJT - FULL BLACK

KASEEL

 SOLAR
BIG ON QUALITY

120 Cells

HJT Monocrystalline



22,0%

Maximum Efficiency



0~+5%

Positive Power Tolerance



375 - 400

Peak Power Range

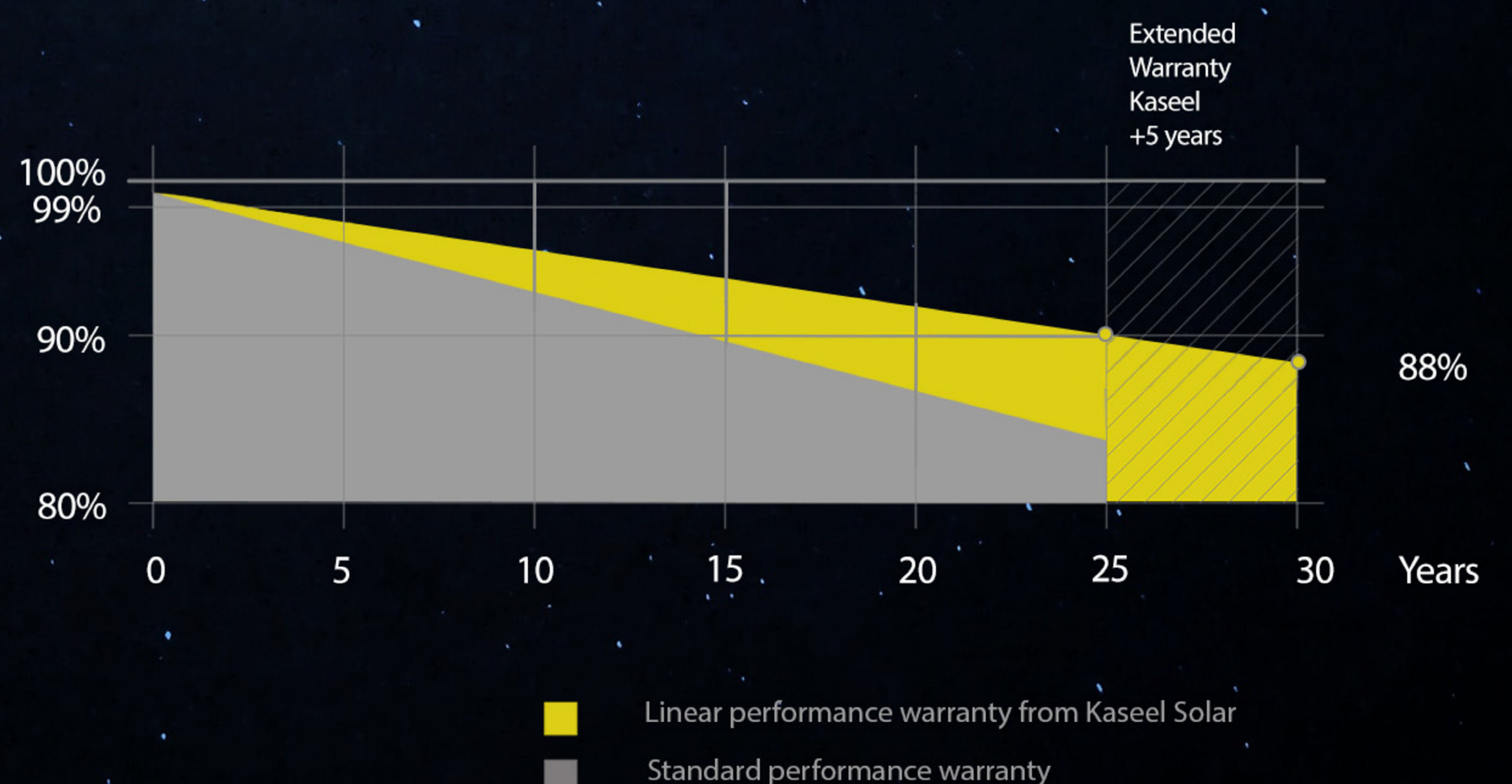
SPECIAL WARRANTY

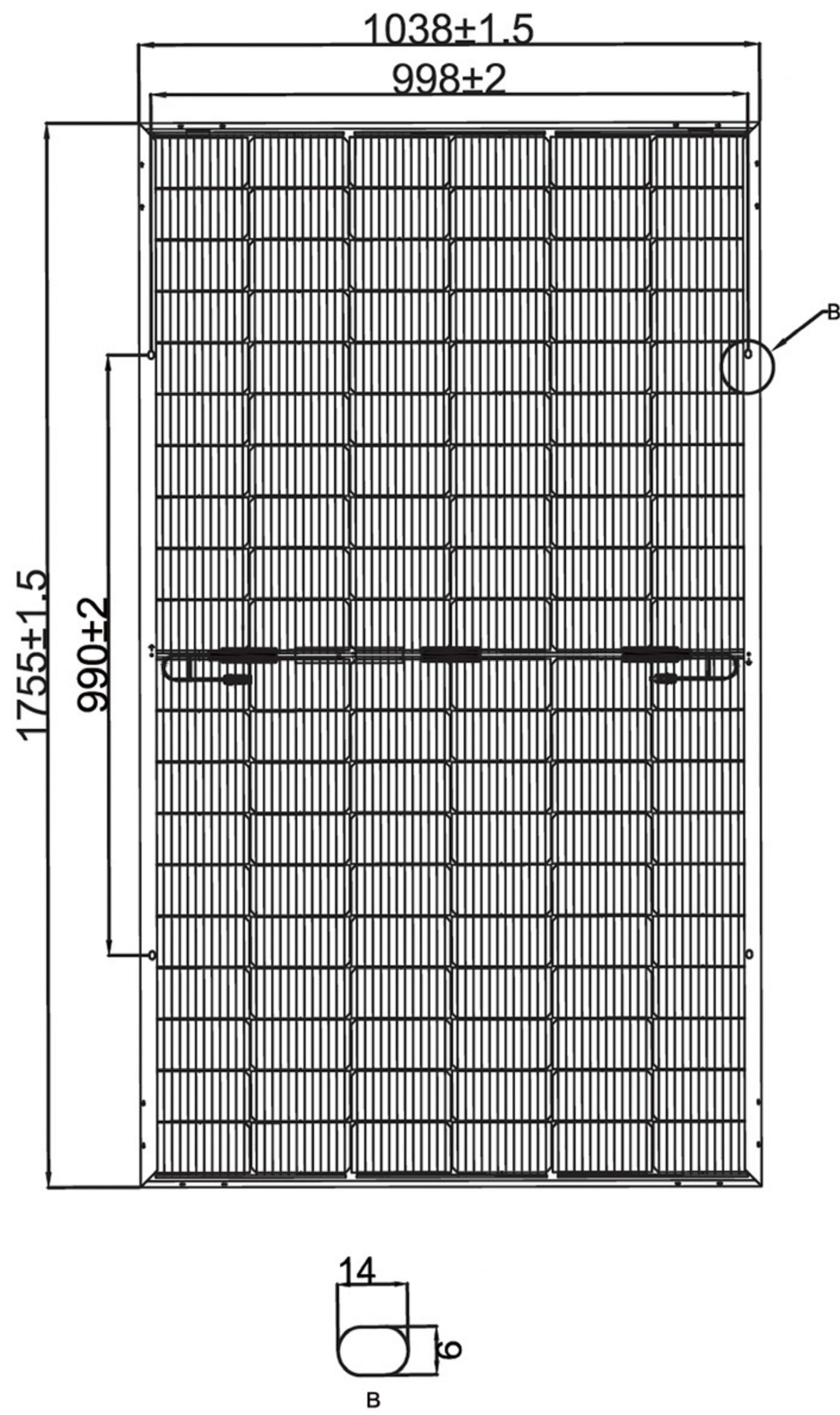


88% of nominal power output



Limited Power Warranty





Specifications in this datasheet are subject to change without prior notice.

Cell type	HJT Monocrystalline 166 x 83mm
Number of cells	120 (60x2)
Module dimensions	1755x1038x30 mm
Weight	23.5kg
Front cover	3.2mm Low iron tempered glass with AR coating
Frame	Anodized aluminum alloy
Junction box	IP68, 3 diodes
Cable	4mm ² - 1200mm
Connector	MC4 compatible
Operating Temperature	-40°C ~+85°C
Maximum System Voltage	1500V DC
Fire Resistance Rating	Type 1/Class C (IEC61730)
Maximum Series Fuse Rating	20A

TEMP. CHARACTERISTICS

Nominal Operating Cell Temperature (BSTC)	44°C ±2°C
Temperature Coefficients of Pmax	-0.26%/°C
Temperature Coefficients of VOC	-0.24%/°C
Temperature Coefficients of ISC	0.04%/°C

PACKAGING

Standard packaging	36 pcs/pallet
Module quantity per 40' container	936 pcs

ELECTRICAL CHARACTERISTICS AT STC

Nominal Power (Pmax)	375W	380W	385W	390W	395W	400W
Open Circuit Voltage (VOC)	44.37V	44.47V	44.57V	44.67V	44.77V	44.87V
Short Circuit Current (ISC)	10.62A	10.72A	10.82A	10.92A	11.02A	11.12A
Voltage at Nominal Power (Vmp)	37.03V	37.09V	37.15V	37.23V	37.32V	37.43V
Current at Nominal Power (Imp)	10.18A	10.27A	10.37A	10.49A	10.60A	10.70A
Module Efficiency (%)	20.6	20.9	21.1	21.4	21.7	22.0

STC: Irradiance 1000W/m². Cell temperature 25°C. AM1.5

ELECTRICAL CHARACTERISTICS BSTC

Nominal Power (Pmax)	420W	425W	430W	435W	440W	445W
Open Circuit Voltage (VOC)	V	45.61V	45.88V	46.21V	46.84V	47.54V
Short Circuit Current (ISC)	11.51A	11.54A	11.58A	11.61A	11.64A	11.66A
Voltage at Nominal Power (Vmp)	V	38.49V	38.70V	38.87V	39.18V	39.50V
Current at Nominal Power (Imp)	11.08A	11.13A	11.18A	11.22A	11.28A	11.32A

BSTC: Front side irradiation 1000W/m². Back side reflection irradiation 135W/m², AM = 1.5, ambient temperatura 25°C
Bifaciality: 90%±5%

CURVES

