72 cells

HEVEL ENERGY GROUP

№1 HJT LARGE-SCALE PRODUCTION FACILITY IN EUROPE

HETEROJUNCTION PV MODULE

HVL-380/HJT, HVL-385/HJT, HVL-390/HJT, HVL-395/HJT

- Up to 395 Wp (+69 Wp at 20% bifacial gain)
- Module efficiency up to 23,2 % (BiFi +20%)
- Glass-glass bifacial design
- Operating temperatures from -40 to +85 °C
- 30 years linear performance warranty, 15 years product warranty
- Less power losses at high temperatures due to low temperature coefficient
- N-type wafer based HJT cell boosts extra low light induced (LID) and close to zero potential induced degradation (PID)

EAC

ISO 9001:2015 ISO 14001:2015 ISO 45001:2018

LOW TEMPERATURE COEFFICIENT

-0.28%/°C

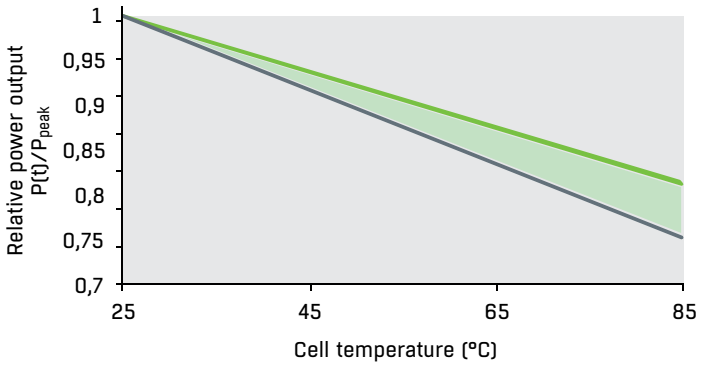
vs. from -0,37 to -0,45 %/°C
for mass market PV modules

EXTRA YIELD IN HOT CLIMATE

up to +10%

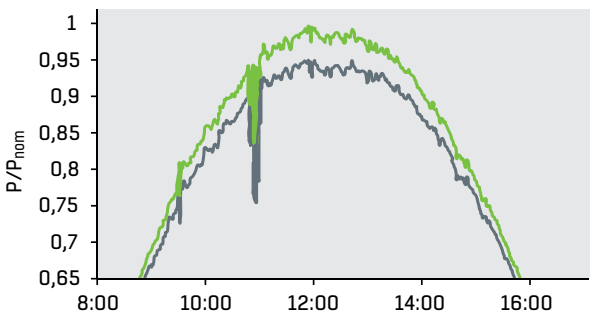
to daily yield in comparison
with mass market PV modules

POWER OUTPUT BY TEMPERATURE



HJT Mass market (multi/mono)

Month: June
Moderate climate



Site Location: Central Russia (56.0648743 47.5084851.)
Irradiance at noon: 1100 W/sq. m

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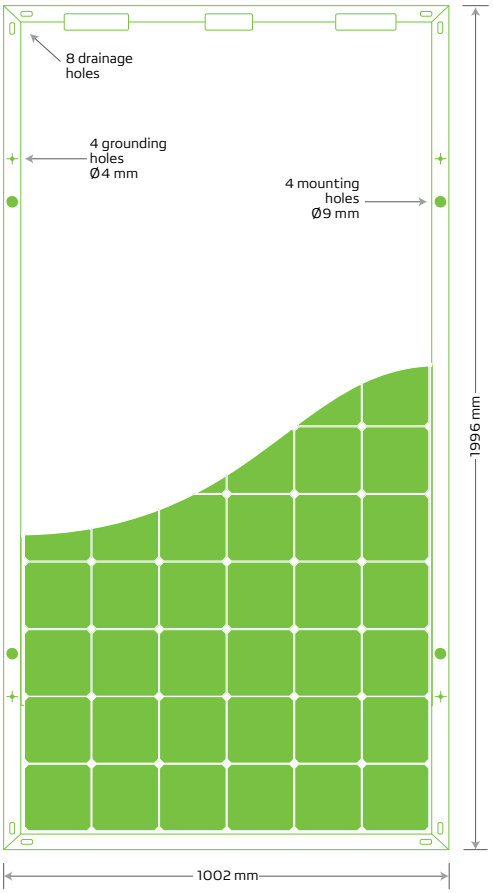


ELECTRICAL PARAMETERS*

Power output (P_{max}), STC, W	380	385	390	395
Bifacial gain +10%**, W	413	418	424	429
Bifacial gain +20%**, W	446	452	458	464
Power output sorting, W	+5			
Module efficiency*, %	19,0	19,3	19,5	19,8
Current at Pmax (Impp), A	8,63	8,67	8,76	8,82
Voltage at Pmax (Vmpp), V	44,37	44,6	44,71	44,84
Short-circuit current (Isc), A	9,1	9,12	9,18	9,21
Open-circuit voltage (Voc), V	52,78	52,95	53,08	53,18

MAIN CHARACTERISTICS

Maximum system voltage, V	1500
Fire resistance rating	C
Weight max, kg	32
Cable connector type	MC4 compatible
Cable length, m	0,3/on demand
Max. static load front (e.g. snow), Pa	5400
Max. static load back (e.g. wind), Pa	3800

TEMPERATURE CHARACTERISTICS

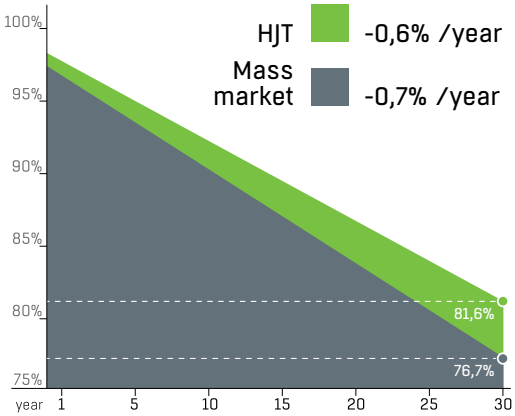
Operating temperature, °C	-40 — +85
Temperature coefficient, Voc, %/°C	-0,244
Temperature coefficient, Isc, %/°C	0,055
Temperature coefficient, P_{max}, %/°C	-0,285
Nominal operating cell temperature, °C	38,8

MODULE DIMENSIONS

Length	Height	Thickness
1996±3 mm	1002±3 mm	30±1 mm

* The given values are based on production average and are for information purposes only
Test conditions STC
** Additional output from the back side as percentage of the irradiance at STC

LINEAR PERFORMANCE WARRANTY



Being sure in the high quality of Hevel products, we propose linear performance warranty up to 30 years.
Guaranted power output of the PV module in 1 year is not less 99% and by the end of 30 years is not less than 81,6%.

overseas@hevelsolar.com
www.hevelsolar.com

Hevel Group is a reputable and reliable PV cells and modules manufacturer with 10-year experience:

- WORLD'S LEADING IN HOUSE RESEARCH AND DEVELOPMENT IN HJT
- LARGEST INDUSTRIAL HJT PRODUCTION IN EUROPE
- PV EQUIPMENT AND MATERIALS SOURCED FROM TOP EUROPEAN SUPPLIERS