








# 72 cells

№1 HJT LARGE-SCALE PRODUCTION FACILITY IN EUROPE

## HETEROJUNCTION PV MODULE

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 boasts extra low light induced (LID) and close to zero potential induced degradation (PID)



PRODUCT CERTIFICATES:



MANAGEMENT SYSTEM CERTIFICATES:



### LOW TEMPERATURE COEFFICIENT

# -0.28%/°C

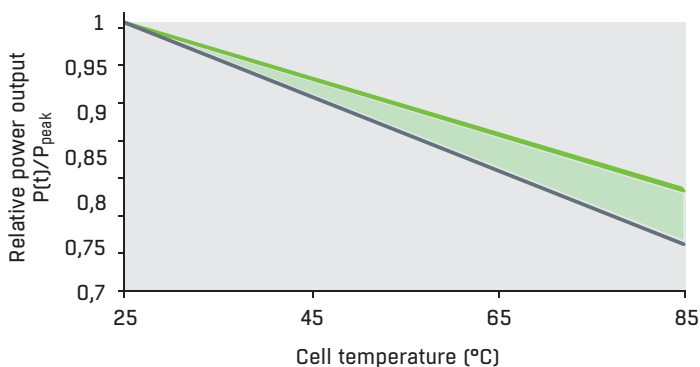
vs. from -0,37 to -0,45 %/°C for mass market PV modules

### EXTRA YIELD IN HOT CLIMATE

# up to +10%

to daily yield in comparison with mass market PV modules

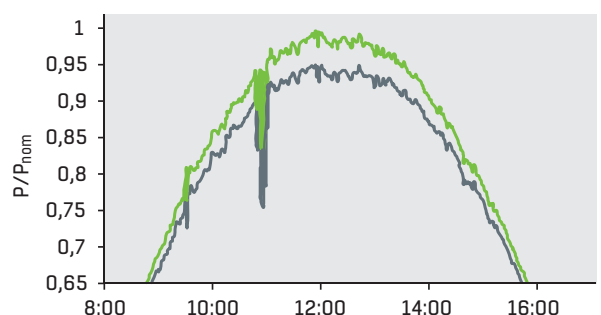
### POWER OUTPUT BY TEMPERATURE



 HJT

 Mass market (multi/mono)

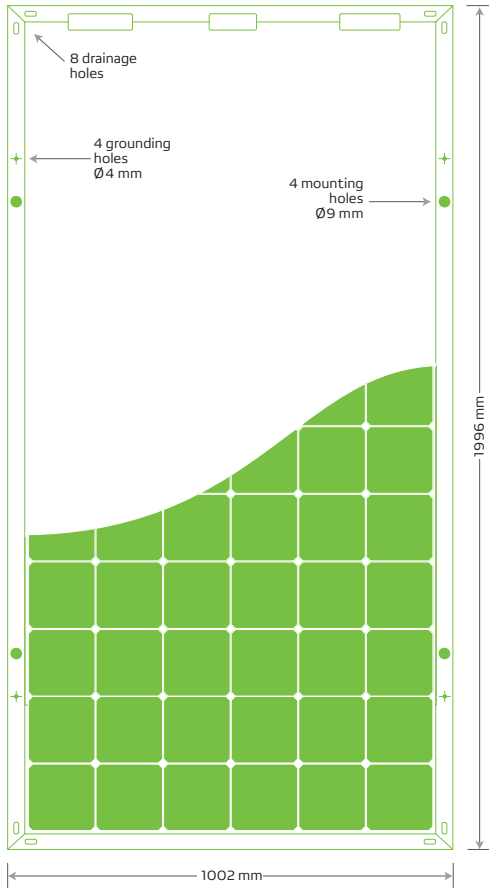
Month: June  
Moderate climate



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	385	390	395
Bifacial gain +10%** , W	418	424	429
Bifacial gain +20%** , W	452	458	464
Power output sorting, W	+5		
Module efficiency* , %	19,3	19,5	19,8
Current at $P_{max}$ ( $I_{mpp}$ ), A	8,67	8,76	8,82
Voltage at $P_{max}$ ( $V_{mpp}$ ), V	44,6	44,71	44,84
Short-circuit current ( $I_{sc}$ ), A	9,12	9,18	9,21
Open-circuit voltage ( $V_{oc}$ ), V	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

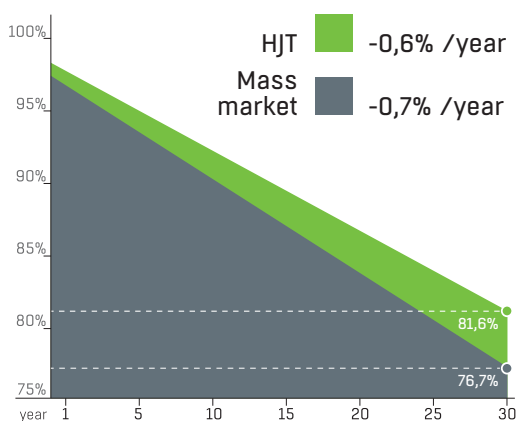
Operating temperature, °C	-40 — +85
Temperature coefficient, $V_{oc}$ , %/°C	-0,244
Temperature coefficient, $I_{sc}$ , %/°C	0,055
Temperature coefficient, $P_{max}$ , %/°C	-0,285
Nominal operating cell temperature, °C	38,8

### 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. Guaranteed 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%.



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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