

# 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

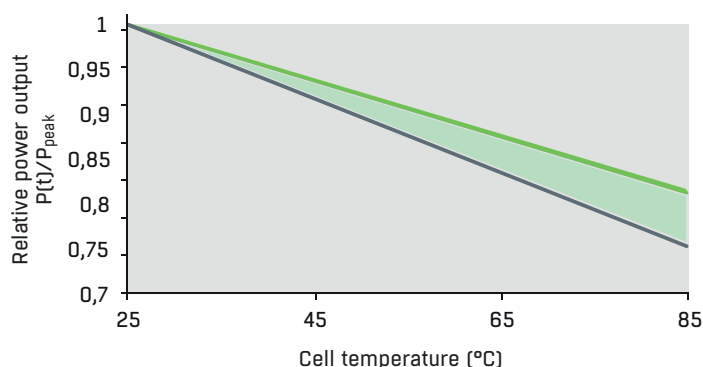
vs. from -0,37 to -0,45 %/°C  
for mass market PV modules

### EXTRA YIELD IN HOT CLIMATE

# up to +10%

to daily yield in comparison  
with mass market PV modules

### POWER OUTPUT BY TEMPERATURE

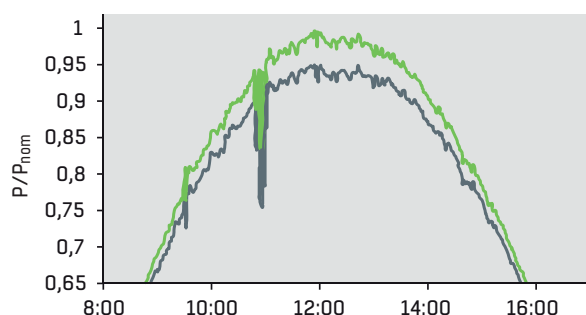


HJT



Mass market (multi/mono)

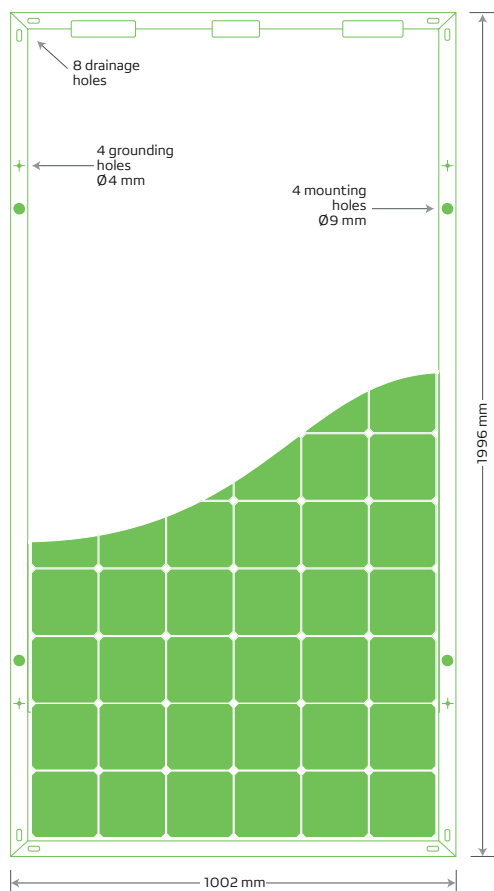
Month: June  
Moderate climate



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

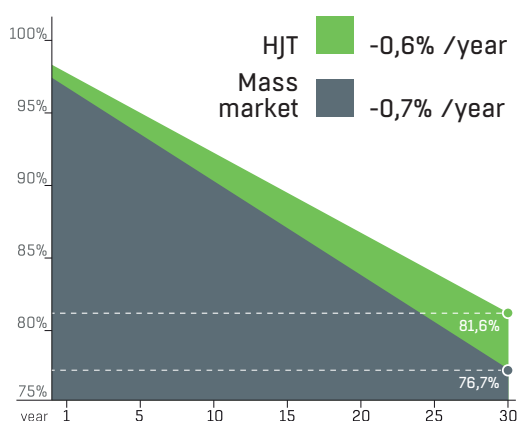
|                                           |           |
|-------------------------------------------|-----------|
| Operating temperature, °C                 | -40 — +85 |
| Temperature coefficient, $V_{oc}$ , %/°C  | -0,244    |
| Temperature coefficient, $I_{sc}$ , %/°C  | 0,055     |
| Temperature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

### MODULE DIMENSIONS

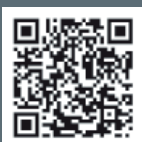
| Length    | Height    | Thickness |
|-----------|-----------|-----------|
| 1996±3 mm | 1002±3 mm | 30±1 mm   |

\* 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