

60 cells

Nº1 HJT LARGE-SCALE PRODUCTION FACILITY IN EUROPE

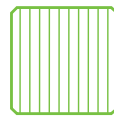
## HETEROJUNCTION PV MODULE

HVL-320/HJT, HVL-325/HJT, HVL-330/HJT, HVL-335/HJT



### HJT technology

cell efficiency – up to 23,8 %  
module efficiency – up to 20,0 %



### Cutting edge PV technology

Most advanced PV cell technology  
combined with SmartWire optimized  
contact grid



### High output

in hot climate due to the low temperature  
coefficient and low light conditions due to  
shading reduction capacity of SWCT



### Long life cycle

high reliability backed by 10-year product  
and 25-year performance warranty



### Efficient space utilization

for 1kWp of HJT modules



### Low degradation

N-type wafer based HJT cell boosts extra  
low light induced (LID) and close to zero  
potential induced degradation (PID)



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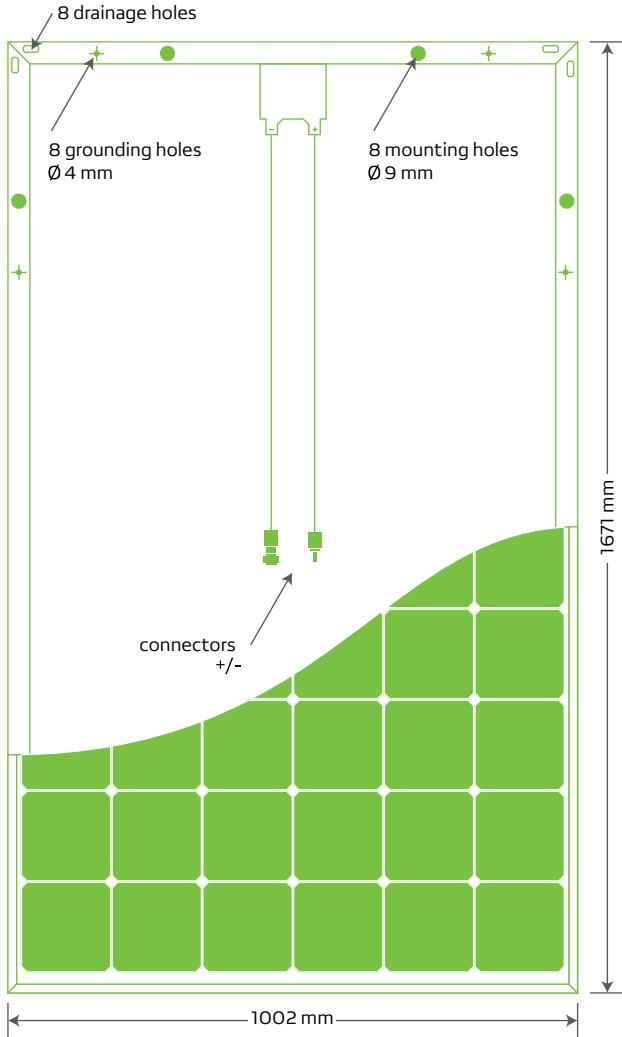
Hevel Group is a reputable and reliable PV cells  
and modules manufacturer with 10-year experience:

- 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

\* Manufacturing system complies with ISO 9001:2015 and ISO 14001:2015

# 60 cells

## №1 HJT LARGE-SCALE PRODUCTION FACILITY IN EUROPE



### ELECTRICAL PARAMETERS\* AT STANDARD TEST CONDITIONS (STC)

Power output ( $P_{max}$ ), W	320	325	330	335
Power output sorting, W	+5			
Module efficiency, %	19,1	19,4	19,7	20,0
Current at $P_{max}$ ( $I_{mpp}$ ), A	8,83	8,86	8,97	9,04
Voltage at $P_{max}$ ( $V_{mpp}$ ), V	36,28	36,74	36,84	37,06
Short-circuit current ( $I_{sc}$ ), A	9,33	9,4	9,48	9,55
Open-circuit voltage ( $V_{oc}$ ), V	43,97	44,08	44,18	44,34

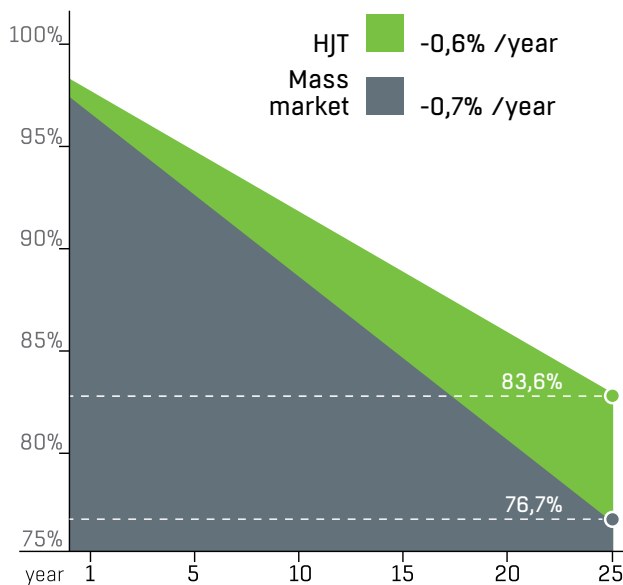
### MAIN CHARACTERISTICS

Maximum system voltage, V	1000/1500
Fire resistance rating	C
Weight max, kg	19
Cable connector type	MC4 compatible
Cable length, m	1
Max. static load front (e.g. snow), Pa	3600
Max. static load back (e.g. wind), Pa	2530

### MODULE DIMENSIONS

Length	Height	Thickness
1671±3 mm	1002±3 mm	35±0,5 mm

### LINEAR PERFORMANCE WARRANTY



### TEMPERATURE CHARACTERISTICS

Operating temperature, °C	-40 — +85
Temperature coefficient $V_{oc}$ , %/°C	-0,249
Temperature coefficient $I_{sc}$ , %/°C	0,037
Temperature coefficient $P_{max}$ , %/°C	-0,311
Nominal operating cell temperature (NOCT), °C	38,8

### 25-YEAR PERFORMANCE WARRANTY

<b>Guaranteed power output of the PV module, % from the starting</b>	
in 1 year, %	not less than 98
in 25 years, %	not less than 83,6

\*The given values are based on production average and are for information purposes only.