



# Photovoltaic Modules HIT<sup>®</sup>

**Panasonic**

Long-lasting quality and high performance

Panasonic – one of the world's most trusted brands – is a solar pioneer with 45 years' experience in photovoltaics. Committed to a better life and a better world, Panasonic offers customers long-lasting quality and high performing PV panels due to its unique heterojunction technology. The patented HIT<sup>®</sup> technology uses ultra-thin amorphous silicon layers that reduce losses, resulting in higher energy output compared to conventional crystalline modules. Powerful and efficient, our Panasonic HIT<sup>®</sup> modules are designed to maximize power generation on every roof, saving cost and contributing to a greener environment.

## Key Features

- 45 years of experience in photovoltaics
- Patented silicon heterojunction solar cell technology
- More power generation
- Extremely low failure for long-term usage
- Long-term product warranty
- Environmentally sustainable production

**0%**

### Failure rate

- Almost 0% claims! 0.005% public failure rate out of 4.15 mio. modules sold in Europe (as of 31.12.2019)
- Over 20 internal extra reliability tests. 3 times IEC testing
- 23 years of HIT<sup>®</sup> mass production

**+10%\***

### Higher output

- High efficiencies at higher temperatures
- Increased cell efficiency also with diffused light thanks to amorphous silicon layers
- Best temperature coefficient in the market compared to crystalline cells:  $-0.258\%/^{\circ}\text{C}$

\*) Measurement in July 2013 in Osaka vs. crystalline module

**25 years**

### Product guarantee\*

- With over a century of stability Panasonic is a reliable and well trusted international corporation
- Stable output over decades of running time (86.2% after 25 years)

\*) For Panasonic Premium Installers, workmanship and freight will be refunded in case of module failure.



# HIT<sup>®</sup>/HIT<sup>®</sup>+ Module Line Up

**Panasonic**

More power on any roof!

## Technical Features

- Top level cell efficiencies of +20%
- Highest roof coverage possible due to 3 different connectable module dimensions
- Unique water drainage at module corner
- 4 bypass diodes for more generation even in shaded orientation
- High snow/wind load resistance (5400Pa)
- Less cell microcracks proven by tests of University of Florida

<https://eu-solar.panasonic.net>

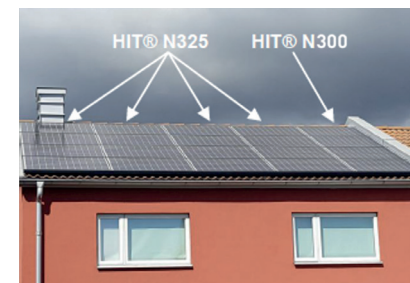
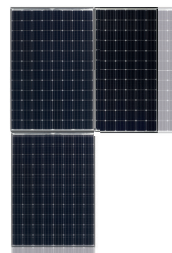


\* N340 & N335K with outstanding Japanese **HIT+** technology

## High flexibility of module sizes for maximum power generation on any roof



Extra row of 3 x HIT<sup>®</sup> N250



Extra row of 4 x HIT<sup>®</sup> N300

