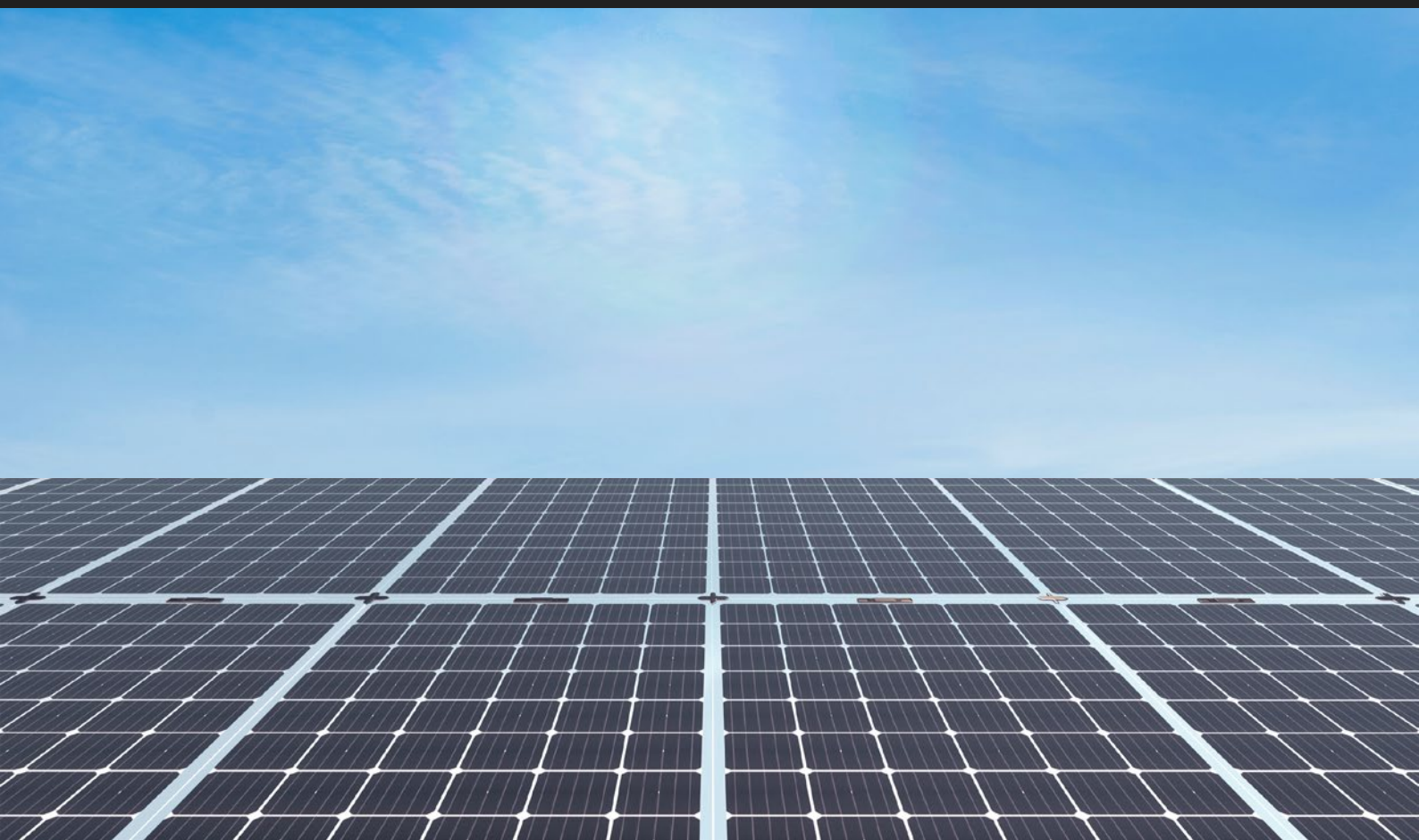




# TORENSE INDUSTRY HJT

## HETEROJUNCTION BIFACIAL 72-CELL MODULE

362W – 525W



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## HETEROJUNCTION BIFACIAL 72-CELL MODULE

362W – 525W\*

By combining the advantages of thin-film crystalline silicon cells, HJT technology allows Torens to produce highly efficient solar cells at lower manufacturing costs. Our R&D department allows us to increase efficiency by **0.75%** annually, thanks to high yield and excellent passivation characteristics of amorphous silicon.

### Advanced Heterojunction Technology



Superior temperature coefficient (**-0.25%/K**) compared to mainstream cells >>> **higher energy yield**



Performance warranty up to **30 years**



Lowest degradation



Lowest LCoE



Ideal for bifacial modules



Low Tc of HJT modules leads to **5%** increase in power output during the operation of the modules under optimal conditions (summer cloudless day)



Excellent passivation by high purity intrinsic a-Si layers >>> **high Voc**



Highest efficiency potential



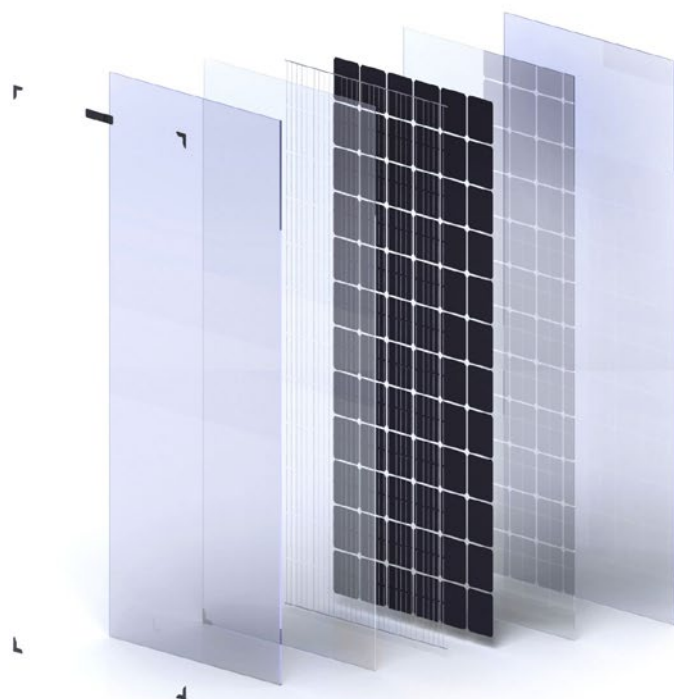
Most efficient for applications with relatively high temperatures



Most compact process flow



Output increase by applications at low latitude at increased average temperature is highly efficient and produces more power per square meter than usual high efficiency cells (**two times** higher efficiency than a typical mono cell).



#### Electrical Characteristics

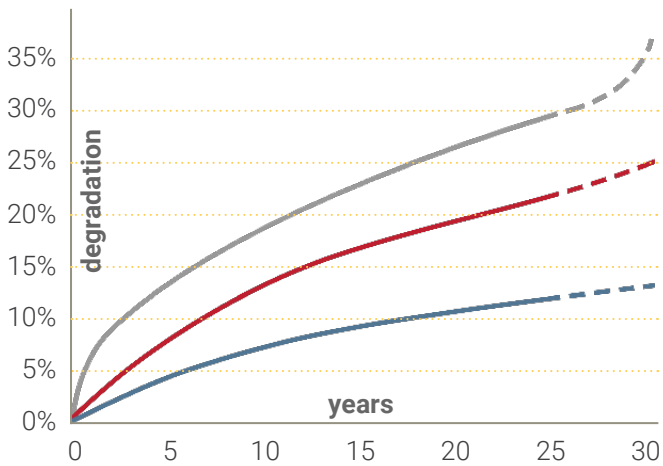
Module Power	419.40W
Module Efficiency	21.10%
Total Cell Power	438.4W
Cell Efficiency	24.98%
Cell to Module Loss	4.33%
Albedo	25%
TC	-0.25%/K
Back sheet	no

\* The lowest possible power with bifacial usage

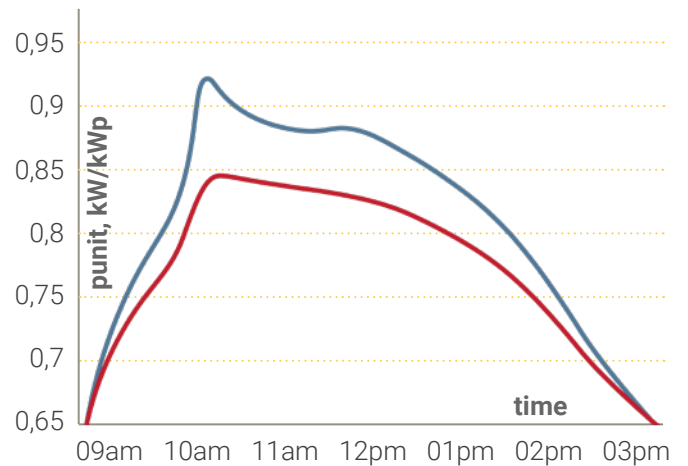
\*\* Bifacial Gain: An energy gain of 25% can be achieved from the back side compared to the front side at the standard test conditions, depending on the installation conditions.

# Performance Characteristics

### Degradation Ratio

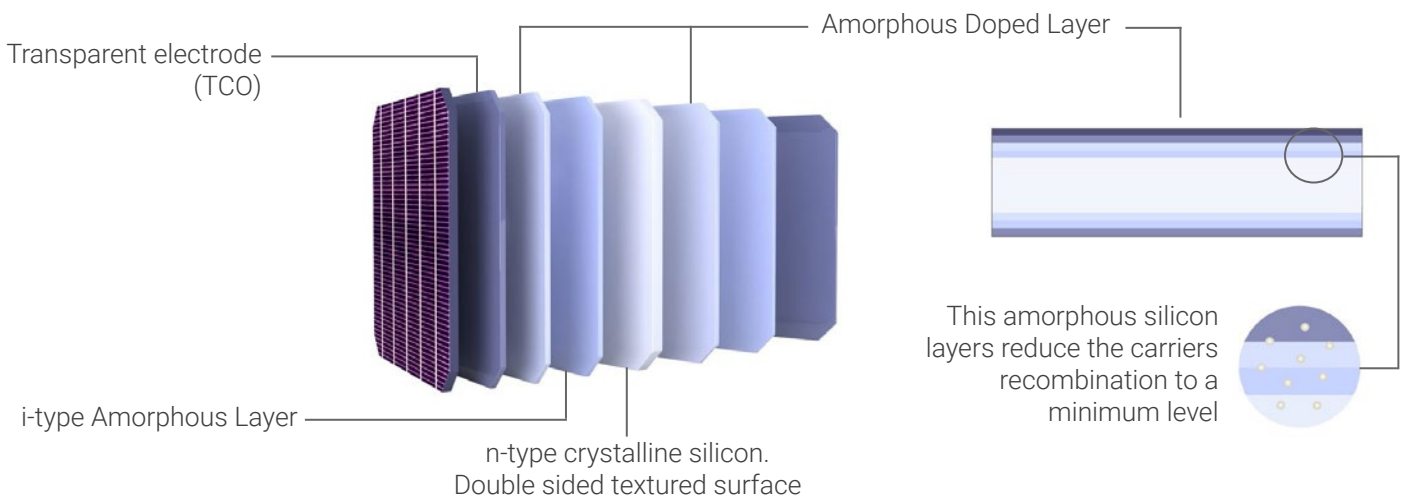


### Daily Performance



— HJT      — Multicrystalline      — Thin-film

# HJT Cell Structure



# Mechanical Data

**Dimensions:** 1963mm x 1005mm

**Weight:** 28 kg



**TORENSE INDUSTRY d.o.o.**

📍 2 Petra Hektorovića, 10 000 Zagreb, Croatia

☎ +385 1 644 1428

✉ info@torenseindustry.com

💻 www.torenseindustry.com

