

# T-Black Tiger SERIES

BACKCONTACT  
TECHNOLOGY

**UNLEASH THE POWER  
OF THE BLACK TIGER:**

SUPERIOR PERFORMANCE  
IN ANY ENVIRONMENT

WORLD'S 1st  
EFFICIENCY

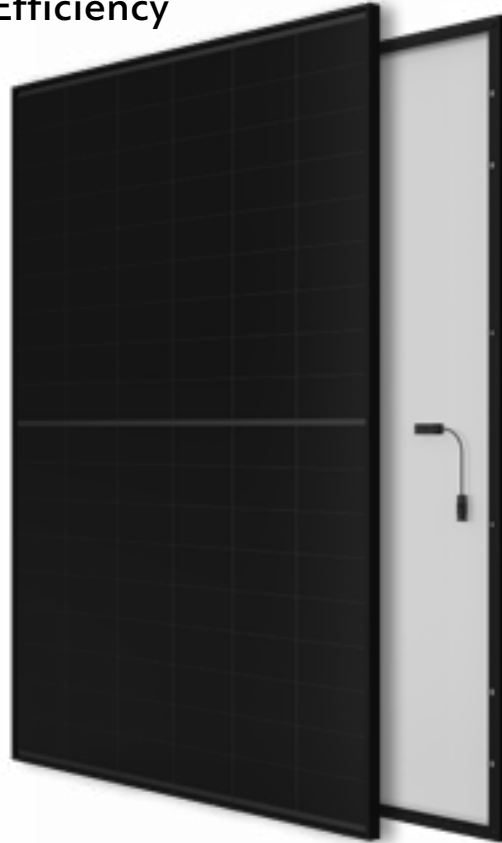
**RECOM**  
TECHNOLOGIES®



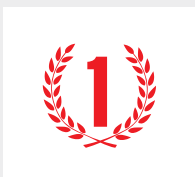
## BACKCONTACT TECHNOLOGY

From 430Wp & up to 610Wp

Under <math>2\text{m}^2</math> **465W+**  
**23,6%+** Efficiency



### ADVANTAGES OF BLACK TIGER BACKCONTACT MODULES



**World's 1st  
Efficiency**

Black Tiger modules provide numerous benefits to customers seeking a high-quality product with exceptional performance and aesthetic, captivating design.

The "Black Tiger" module utilizes N-Type cell technology in conjunction with a rear connection method known as BackContact. As a result, there is 0% front grid shadow loss, which increases the PV module's yield. Due to reduced shading on the front of the cell, the module maximizes total cell area realizing higher efficiency and resulting in a fast return on investment.



**Guaranteed mechanical  
resistance to severe  
weather conditions**



**Positive  
Tolerance**



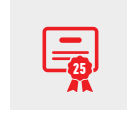
**100% electro-  
luminescence tested**



## KEY BENEFITS



Light induced Degradation Close to Zero



25 Years product warranty



0% Front Grid Shading loss



Low Pmax Temperature Coefficient



Low LCOE



Higher yield in hot climate

## PERFORMANCE AT HIGH TEMPERATURES



HIGHER OUTPUT IN HOT CLIMATE

**+ 2,40 %**

Specific yield (kWh/kWp) due to low temperature coefficient



MORE EFFICIENT SPACE UTILIZATION

**- 10,00 %**

Space required for 1MWp of Black Tiger modules



HIGHER GENERATION PER UNIT

**+ 2,47 %**

PV plant yield/sq.m in hot climate



LOWER POWER LOSS

**+ 4,40 %**

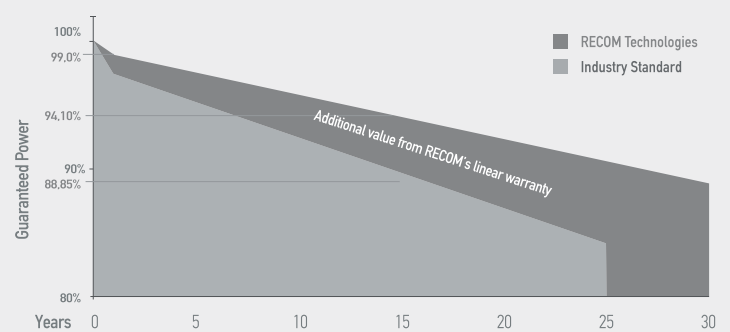
PV plant yield in 30 years of using

### HIGHEST EFFICIENCY IN THE WORLD

Black Tiger Series has "World's 1st" module efficiency, as it reaches up to 23.6%.

### BENEFITS OF BACKCONTACT TECHNOLOGY

- No grid lines, pure black with cutting-edge all back contact cells
- +13.4% full life-cycle power generation than the traditional P-type modules
- >5% BOS reduction, significant saving on cables and mounting systems
- 100% silver-free, reliable supply than the other N-type modules



First Year Output  $\geq 99.0\%$  | 2-30 Year Decline  $\leq 0.35\%$  | 30 Year Output  $\geq 88.85\%$

**LEADING MODULE EFFICIENCY 23.6%**





## BACKCONTACT TECHNOLOGY



EUROPEAN MANUFACTURER

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