

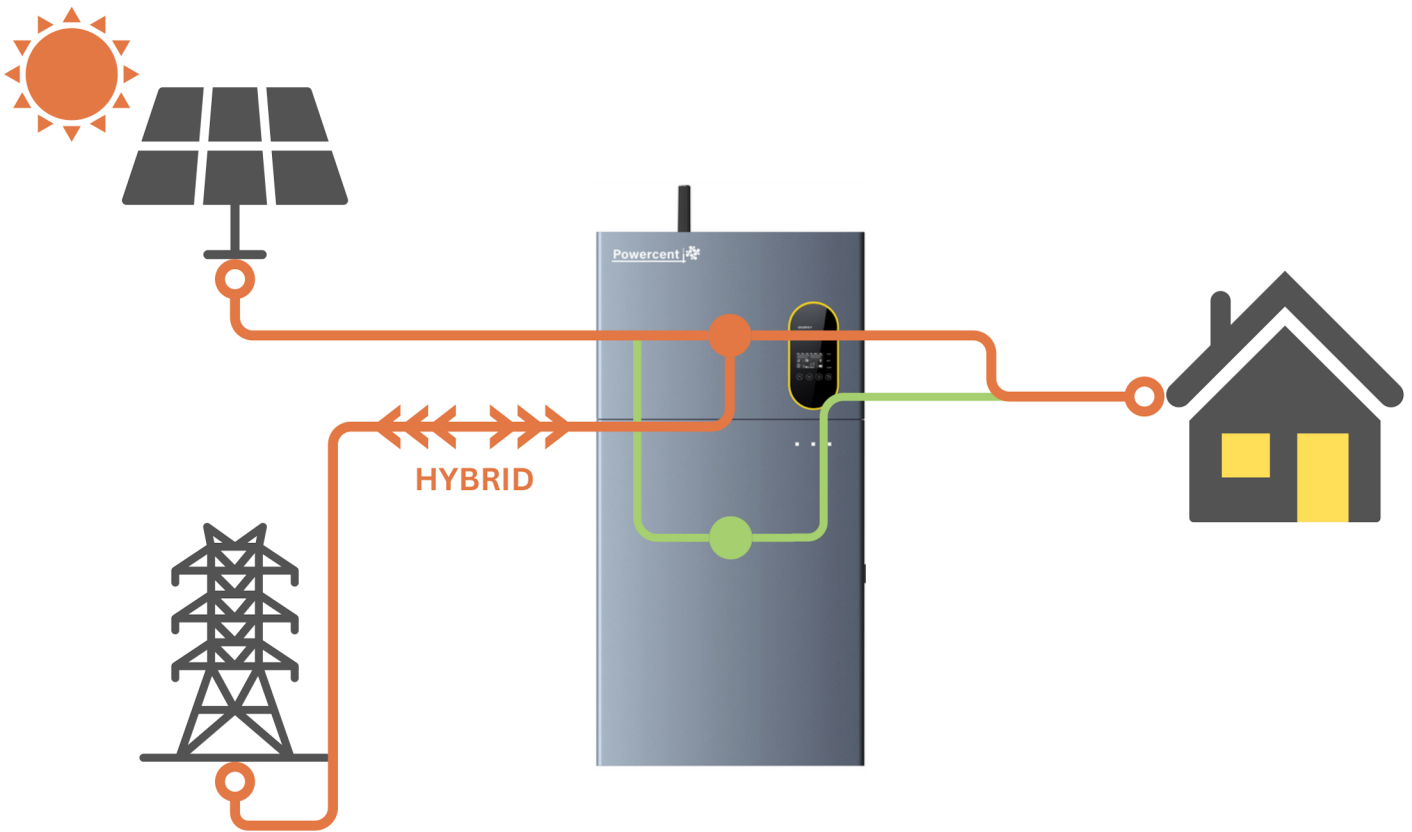


E N E R G Y   S O L U T I O N S



**ENJOY YOUR SOLAR  
POWERED LIFE**

## Company Profile



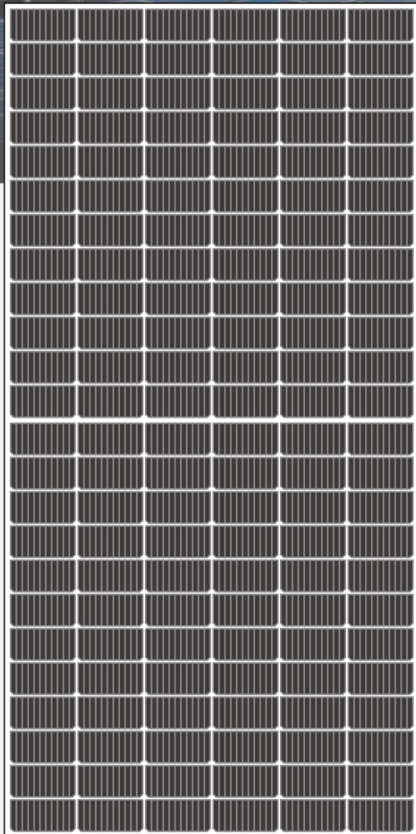
Deon Lindeque and Pieter Janse van Rensburg are the founders of Econo Energy Solutions, a company that is dedicated to providing cost-effective energy solutions to their clients. With over 50 years of combined experience

in building and managing businesses from the ground up, these two individuals bring a wealth of knowledge and expertise to the table. Their passion for delivering tailored solutions and personalized attention ensures that clients receive the best possible experience with Econo Energy Solutions. With cutting-edge technology and a team of professionals, Deon and Pieter are confident in their ability to help clients save money and reduce their carbon footprint. Choose Econo Energy Solutions for exceptional service and effective solar panel solutions.

Let us **POWER** your journey



## HIGH PERFORMANCE MONOCRYSTALLINE PERC MODULE



### KEY FEATURES



Excellent PID RESISTANT



Long time cooperation with Tier1 brands



High Power Output



Industry lowest thermal co-efficient of power



High transmission , Low Iron Tempered Glass



Excellent low irradiance performance



Bypass Diodes Protecton



Module Imp binning radically reduces string mismatch losses



Salt Mist And Ammonia Ristance Test

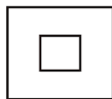
## MONO SOLAR PANEL OSM10-HM72-550W

**144 CELL**

Mono PERC Module

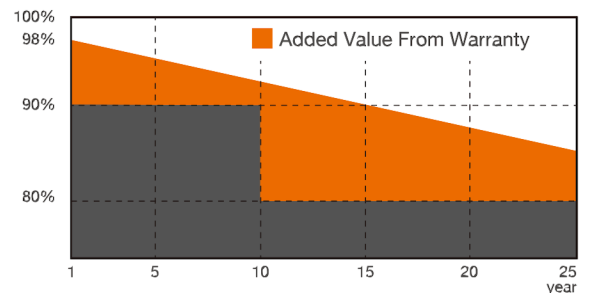
**21.29%**

Maximum Efficiency



### Superior Warranty

- 10-year product warranty
- 25-year linear power output warranty



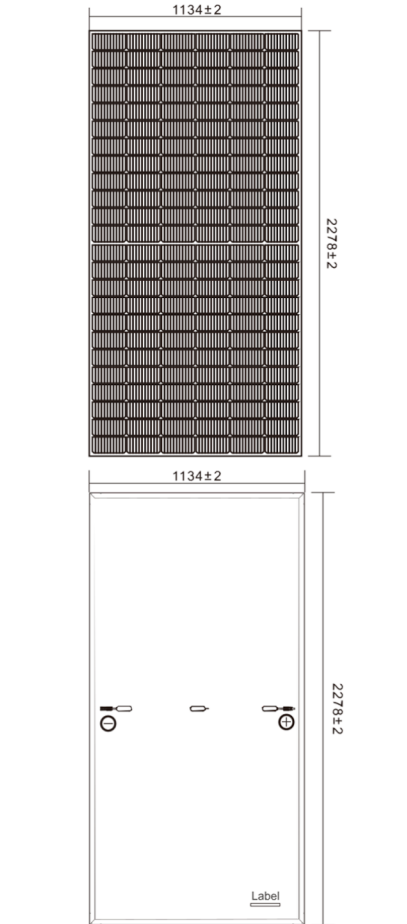
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Module Type	OSM10-HM72-550W
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**Dimension of PV Modules Unit : mm**

Mechanical Specification	
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Cell Type	Mono 182*91mm
Dimension (L*W*T)	2278*1134*35mm
Weight	27.0kg
Packing	Carton or Pallet or As Per Requested
Output Cable (including connector)	4.0mm <sup>2</sup> , 300mm in Length or As Per Requested
No. of Cells	144 (6*24)
Glass	3.2mm High Transmission, Antireflection Coating
Junction Box	IP68, 3 Bypass Diodes
Connector	MC4



Operating Parameters	
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Maximum System Voltage	1500VDC
Operating Temperature	-40 C ~ +85 C
Maximum Series Fuse Rating	25A
Snow Load, Frontside	5400Pa
Wind Load, Backside	2400Pa
Nominal Operating Cell Temperature	45 C ±2 C
Application Level	Class A

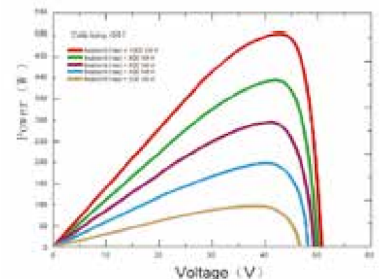
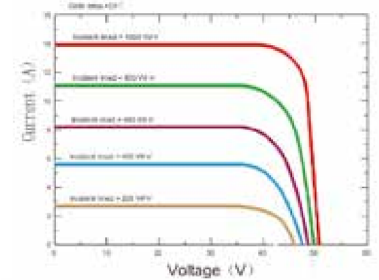
STC-Electrical Characteristics	
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Maximum Power (Pmax/W)	550W
Open-circuit Voltage (Voc/V)	50.20
Maximum Power Voltage (Vmp/V)	42.40
Short-circuit Current (Isc/A)	13.78
Maximum Power Current (Imp/A)	12.97
Module Efficiency (%)	21.29
Tolerance (%)	±2%
"Temperature Coefficient of Isc	0.05%/C
Temperature Coefficient of Voc	-0.31%/C
Temperature Coefficient of Pmax"	-0.35%/C
Standard Test Environment (STC)	Irradiance 1000W/m <sup>2</sup> , Cell Temperature 25 C., Spectrum AM1.5

CHARACTERISTIC CURVE	
OSM10-HM72-550W	

NOCT-Electrical Characteristics	
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Maximum Power (Pmax/W)	409W
Open-circuit Voltage (Voc/V)	47.09
Maximum Power Voltage (Vmp/V)	39.77
Short-circuit Current (Isc/A)	11.13
Maximum Power Current (Imp/A)	10.29
Standard Test Environment (NOCT)	Irradiance 800W/m <sup>2</sup> , Cell Temperature 20 C., Spectrum AM1.5, Wind Speed 1m/s



WARRANTY	
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- 10-year Material & Technology Warranty
- 25-year Linear Power Output Warranty



**1. CUTTING**



**2. WELDING**



**3. SPLICING**



**4. LAYOUT**



**5. LAMINATED**



**6. LAMINATION**



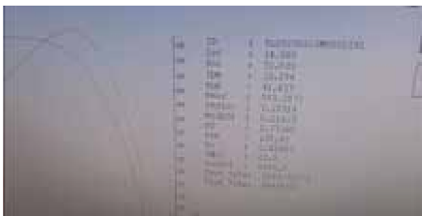
**7. FRAMING**



**8. FIXING  
JUNCTION BOX**



**9. VISUAL  
INSPECTION**



**10. IV TEST**



**11. CLEANING**



**12. PACKING**

Let us **POWER** your journey



Let us **POWER** your journey

**EC**  **NO**  
ENERGY SOLUTIONS

 @econoenergysolutions

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