

# 3S DUAL 72N

## ABOUT 3SUN

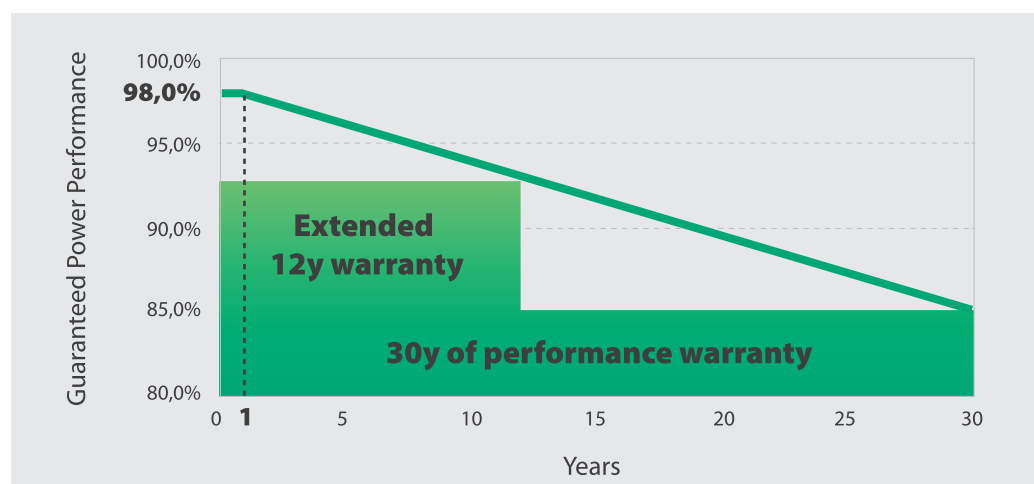
Founded in 2010 and owned by Enel Green Power, this Italian PV factory is the largest in Europe. It's fully committed to the production of photovoltaic modules and its mission is to support the Group with these resources to get clean, renewable energy to finally build a greener world.

## KEY FEATURES

- **High efficiency:** up to 18.2% of module efficiency.
- **Double glass frameless bifacial structure:** up to +25% of energy production gain.
- **Designed for high voltage systems** up to 1500 VDC.
- **High durability against harsh environment conditions.**
- **Higher lifetime power yield:**
  - Superior Warranty: 30 years performance
  - 0.45% linear power degradation.
- **Designed to be PID free.**
- **Module made with LID free n-type cells.**
- **Static load: tested up to 5400Pa front and 2400Pa rear.**

### Warranty:

- 98% warranty for the first year
- Product Warranty 12 years
- Linear Performance Warranty 30 years



Certified IEC61215;  
Certified IEC61730



# 3S DUAL 72N

## GENERAL CHARACTERISTICS

Number, type and arrangement of Cells	Mono-crystalline, n-type PERT, 72pcs in series (6x12)
Cell Size	156.75 mm x 156.75 mm
Pm Temperature Coefficient	-0.38 %/°C
Isc Temperature Coefficient	0.048 %/°C
Voc Temperature Coefficient	-0.30 %/°C
NOCT-Nominal Operating Cell Temperature	44± 2 °C
Test Condition	STC:AM=1.5, 1000W/m <sup>2</sup> , Cells Temperature 25°C
Operating Temperature	-40~+85 °C
Storage Temperature	-20~+50 °C

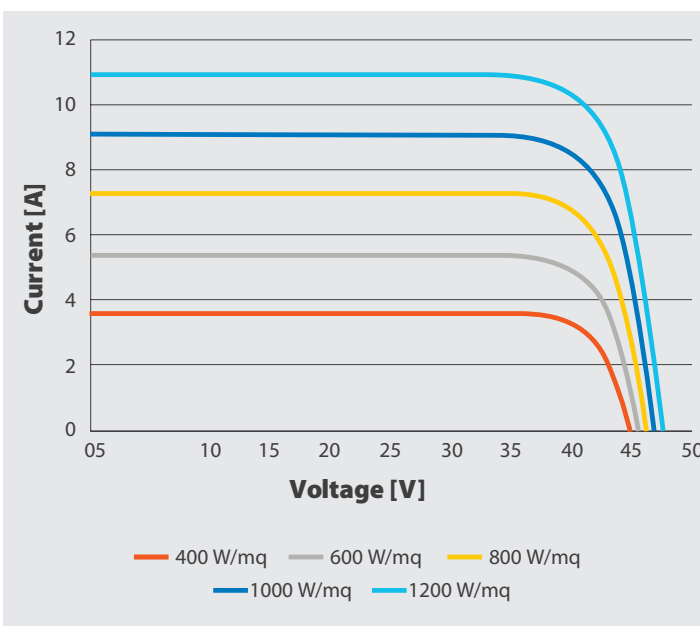
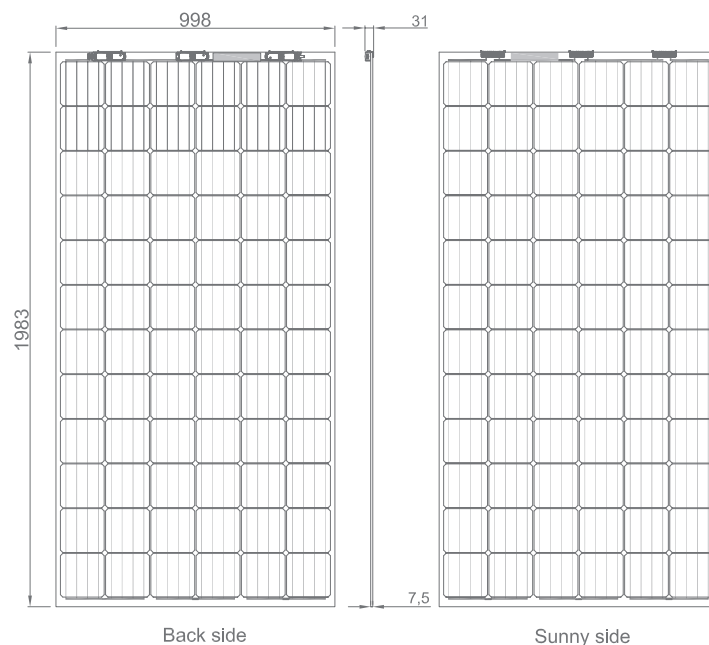
## BIFACIAL PERFORMANCES

Power @STC (W)	<b>335</b>	<b>340</b>	<b>345</b>	<b>350</b>	<b>355</b>	<b>360</b>
Power @BSTC (W)**	373	379	385	390	396	401

\*\*BSTC = Bifacial Standard Test Condition according with 2Pfg2645/11.17 norm developed for the IEC 60904-1-2 (under final approval)

## MECHANICAL CHARACTERISTICS

Output Cable Diameter	4 mm <sup>2</sup> (not supplied with module)
Type of Connector	MC4 alternative
Junction Boxes (bifacial version)	IP67, three diodes
Max. Series Fuse (3)	15 A
Dimensions A x B x C	1983 x 998 x 7,5 mm (30 with J-BOX)
Weight	33 kg
Front Glass, Type and Thickness	AR coated, High Transmission, Low Iron, Tempered, 3mm
Back Glass, Type and Thickness	High Transmission, Low Iron, Tempered, 3mm
Packing Configuration	26 pcs/carton
Quantity/Pallet	2 cartons/pallet
Modules/Container	572 pcs/40ft(H), 286 pcs/20ft



## TYPICAL PERFORMANCES AT STC

Module Type		<b>3SBA335A</b>	<b>3SBA340A</b>	<b>3SBA345A</b>	<b>3SBA350A</b>	<b>3SBA355A</b>	<b>3SBA360A</b>
Max-Power	Pm (W)	335	340	345	350	355	360
Power Tolerance	W	0÷5					
Max-Power Voltage	Vm(V)	38.9	39.1	39.3	39.5	39.7	39.9
Max-Power Current	Im(A)	8.61	8.70	8.78	8.87	8.95	9.03
Open-Circuit Voltage	Voc(V)	47.3	47.6	47.9	48.2	48.5	48.8
Short-Circuit Current	Isc(A)	9.00	9.10	9.18	9.26	9.35	9.43
Max-System Voltage	VDC(V)	IEC1500					
Module Efficiency	%	16.9%	17.2%	17.4%	17.7%	17.9%	18.2%
Bifaciality factor	%	≥85%					

Manufactured by Enel Green Power S. p. A  
3SUN Factory, Contrada Blocco Torrazze, Zona Industriale, 95121, Catania (Italy)  
All rights reserved. Specifications included in this datasheet are subject to change without notice.