

3SUN B60

Powered by **CORE-H** Technology

560-595 Wp

Bifacial: 90% (Bifaciality Factor)

CLASS

C

ENEA Register



Utility
Scale



Commercial
& Industrial



Made in Europe.

Cells and modules designed and manufactured exclusively in Italy.



Listed in the ENEA registry.

Modules and cells produced in Europe, with cell efficiency greater than 24.0%.



Superior energy yield.

Heterojunction technology for enhanced energy yield.



Great customer value.

Engineered for reduced BOP costs in a variety of applications.



Long-term reliability.

High quality glass-glass product with strong mechanical performances.



Proven performance.

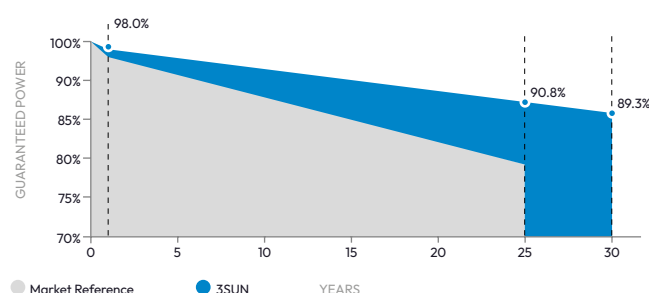
PID and LeTID free with low annual degradation.

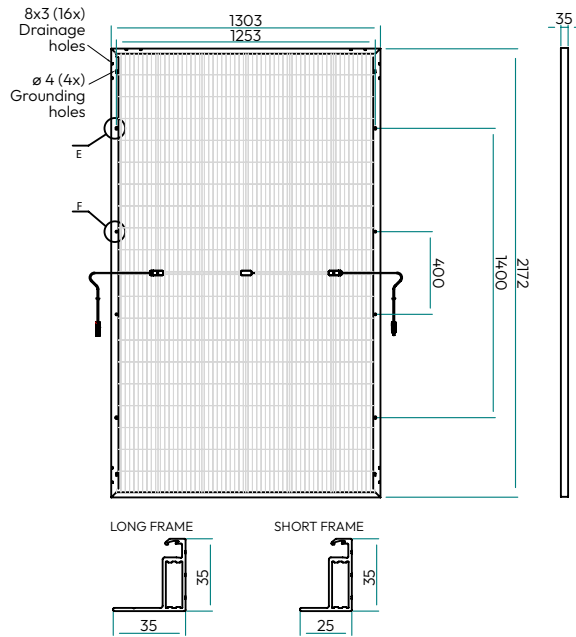


WARRANTY

- Dedicated after-sales support
- Product Warranty **15 years**
- Performance Warranty **30 years**
(2% first year, then 0.30% per year)

LINEAR PERFORMANCE WARRANTY





MECHANICAL CHARACTERISTICS

Cell Type	Mono-crystalline, n-type Si HJT - G12 (210mm x 210mm)
Number of cells	120 ½ cells (6 x 10) x 2
Dimensions	2172 x 1303 x 35 mm
Weight	36 kg
Frame	Anodized aluminium
Front Cover	Textured Glass - 2.0 mm, AR coated, Low Iron, Semi-Tempered
Back Cover	Textured Glass - 2.0 mm, Semi-Tempered
Junction Box	IP68, 1500VDC, 3 bypass diodes
Output Cable	4 mm ² , (+): 1400mm, (-): 1400mm
Type of Connector	Stäubli MC4 EVO 2
Maximum static test loading*	Front: 3600 Pa (test load 5400 Pa) Rear: 1600 Pa (test load 2400 Pa)
Module Fire Performance	IEC 61730/UL 790 - C Class UNI 9177 - 1 Class

*Under certain mounting configurations, refer to the installation and maintenance manual for details.

PACKAGING

Pallet dimension [L x W x H] Bi-pack: 2205 x 1373 x 2501 mm top: 2205 x 1373 x 1070 mm bottom: 2205 x 1373 x 1431 mm	Pallet weight Bi-pack: 2273 kg top: 944 kg bottom: 1329 kg	Packing Configuration Bi-pack (26 pcs/top + 37 pcs/bottom)	Modules per Container (40'HQ) 504 pcs (8 Bi-packs)
			Modules per semi-trailer truck 567 pcs (9 Bi-packs)

TEMPERATURE RATINGS

Nominal Module Operating Temperature (NMOT)	°C	44 ± 2
P _{max} Temperature Coefficient	%/°C	-0.24 +/- 0.04
I _{sc} Temperature Coefficient	%/°C	0.044
V _{oc} Temperature Coefficient	%/°C	-0.20

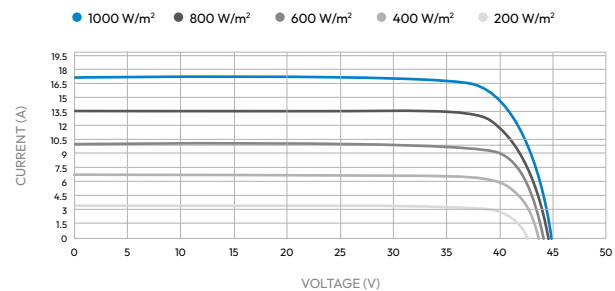
MAXIMUM RATINGS

Operating Temperature	°C	-40~+70
Maximum System Voltage	V	1500
Maximum Series Fuse	A	35

BIFACIAL COEFFICIENTS

Maximum power bifaciality coefficient	90 % ± 10%
I _{sc} bifaciality coefficient	90 % ± 10%
V _{oc} bifaciality coefficient	100 % ± 5%

CURRENT - VOLTAGE CURVES - 3SHBGH-AD-560-595



ELECTRICAL CHARACTERISTICS

	UNIT	3SHBGH-AD-560		3SHBGH-AD-565		3SHBGH-AD-570		3SHBGH-AD-575		3SHBGH-AD-580		3SHBGH-AD-585		3SHBGH-AD-590		3SHBGH-AD-595	
		STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI	STC	BNPI
P _{max} - Power at Mpp	Wp	560	628	565	634	570	639	575	645	580	651	585	656	590	662	595	668
V _{mp} - Voltage at Mpp	V	36.79	36.90	36.89	37.01	36.99	37.11	37.09	37.21	37.19	37.31	37.29	37.40	37.38	37.49	37.48	37.59
I _{mp} - Current at Mpp	A	15.21	17.02	15.30	17.13	15.40	17.22	15.50	17.33	15.60	17.44	15.69	17.54	15.79	17.65	15.88	17.76
V _{oc} - Open Circuit Voltage	V	43.75	43.95	43.85	44.05	43.95	44.15	44.05	44.25	44.15	44.35	44.25	44.45	44.35	44.55	44.44	44.64
I _{sc} - Short Circuit Current	A	16.11	18.07	16.19	18.16	16.27	18.25	16.35	18.34	16.43	18.43	16.51	18.52	16.59	18.61	16.67	18.70
Module efficiency	%	19.8%	22.2%	20.0%	22.4%	20.1%	22.6%	20.3%	22.8%	20.5%	23.0%	20.7%	23.2%	20.9%	23.4%	21.0%	23.6%

Electrical characteristics measured under:

Measurement tolerance: ± 5%

Power Class Sorting: -O+5 W

STC = AM 1.5, 1000 W/m², Cells Temperature 25°C

BNPI = Bifacial NamePlate Irradiance according to IEC 61215:2021

BNPI = AM 1.5, 1000W/m² front side + 135 W/m² rear side

Measurement tolerance BNPI Pmax: ± 10%



IEC 61215-1:2021; IEC 61215-2:2021; IEC 61730-2:2023; UL 61730:2022;