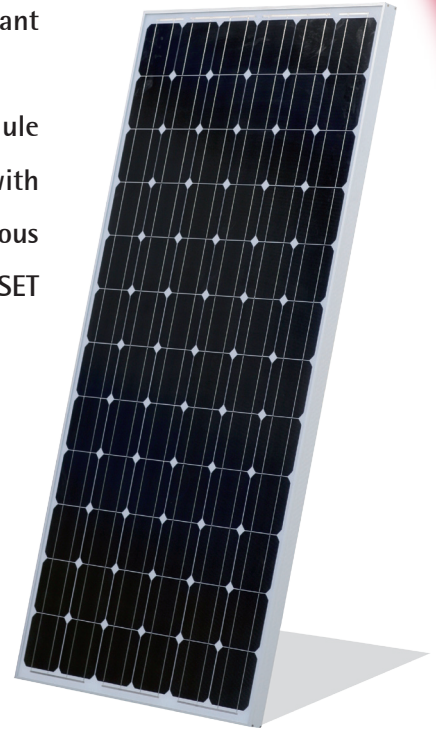


SUNSET

AS Series 315 - 345 W_p

As a solar specialist with 35 years of experience, SUNSET makes a significant contribution to a ground breaking progress in solar technology.

A result of our long term experience is the AS series, a photovoltaic module with mono crystalline cells. The AS series is designed for applications with high power requirements. These outstanding modules produce a continuous and reliable yield, even under extreme conditions. The modules of the SUNSET AS Series are suitable for on-grid and special off-grid applications.



Sunset AS series at a glance

- 72 high-performance mono crystalline silicon solar cells made from SUNsilicon[®] with an efficiency up to 19%
- Textured cell surface for particularly high electricity yields
- Use of tempered white high resistant solar glass, EVA plastic, and weather protection, as well as an anodised aluminium frame for long-term use
- Manufactured under German quality standards
- Also suitable for SUNpower Roof integration system and SUNpremium[®] field mounting system

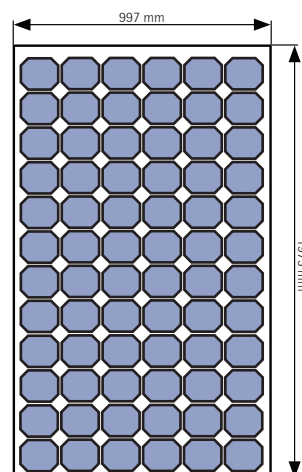
The world's future energy [®] by

Module series /72

AS 315, 320, 325, 330, 335, 340, 345/72

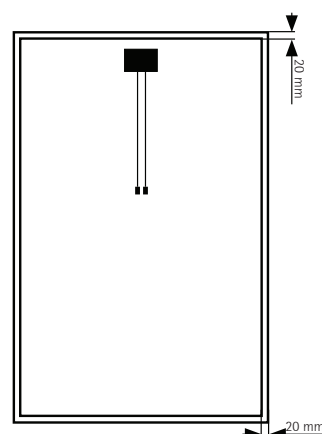
Technical specifications AS			315	320	325	330	335	340	345*
Nominal power ($\pm 5\%$)	P_{max}	[W _p]	315	320	325	330	335	340	35
Rated current	I_{MP}	[A]	8.42	8.51	8.60	8.67	8.75	8.84	8.92
Rated voltage	V_{MP}	[V]	37.4	37.6	37.8	38.0	38.2	38.4	38.6
Short circuit current	I_{SC}	[A]	8.90	9.00	9.10	9.20	9.30	9.35	9.42
Open circuit voltage	V_{OC}	[V]	46.8	46.9	47.1	47.1	47.2	47.4	47.5

Peak power under test conditions (STC: 1000 W/m², 25°C, spectrum AM 1,5)



Technical specifications AS			315	320	325	330	335	340	345*
Nominal power	P_{max}	[W _p]	228	231	235	239	242	246	250
Rated current	I_{MP}	[A]	6.77	6.84	6.92	6.97	7.04	7.11	7.17
Rated voltage	V_{MP}	[V]	33.6	33.8	34.0	34.2	34.3	34.5	34.7
Short circuit current	I_{SC}	[A]	7.13	7.21	7.30	7.38	7.46	7.50	7.55
Open circuit voltage	V_{OC}	[V]	43.1	43.2	43.3	43.3	43.4	43.6	43.7

Rated value with nominal operating cell temperature (NOCT: 800 W/m², 51± 2°C, spectrum AM 1,5)



Characteristics for system design

Protection class			II	Temperature range (TC)		[°C]	-40 ... +85
System voltage	V_{SYS}	[V]	1000	Temperature coefficient I_{SC}	α	[%/K]	+ 0.040
Reverse current	I_R	[A]	15	Temperature coefficient V_{OC}	β	[%/K]	- 0.33

Mechanical characteristics

Front covering	4 mm solar glass	Protection class	junction box IP 65
Back covering	multi layer foil	Cable connection	Multi Contact MC4 or. compatible
Type of cell	mono crystalline	Weight	26.2 kg
Dimensions	1973 x 997 x 47 mm	HL-test	5400 Pa

Over the years SUNSET Solar has set high benchmarks with its high quality standards.

Continuous tests guarantee a consistently high level of quality. Every module undergoes visual, mechanical, and electrical inspections. Each module will be HV-tested and examined by electro luminescence (EL). This is recognisable by means of the original SUNSET label, the serial number, and the SUNSET guarantee:

- 5 years product warranty
- 10 years linear performance warranty for a power output of 90%
- 25 years linear performance warranty for a power output of 80%
- Detailed warranty conditions and additional information can be found in our warranty terms
- EL picture and HV test (6000V) of each module
- Certified according to IEC 61215 and IEC 61730

* Certificate in preparation



- Qualified, IEC 61215
- Safety tested, IEC 61730
- Heavy Snow Load tested
- Periodic inspection

Partner:

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Specifications subject to technical changes.