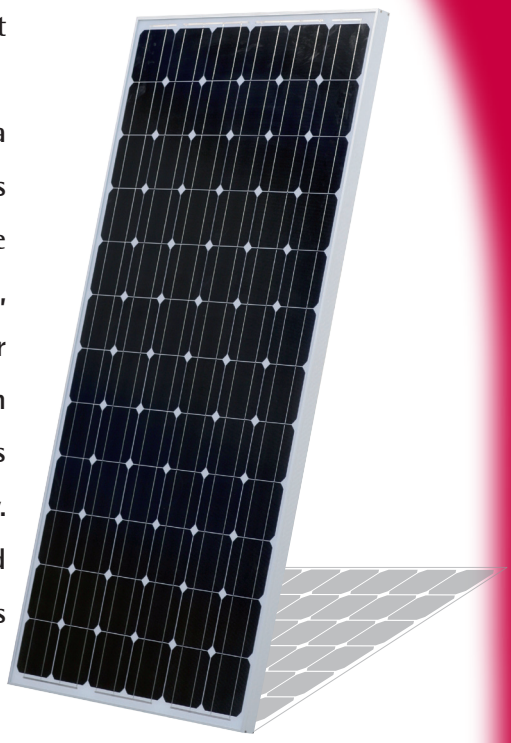
SUNSET SUNplatinum®
AS Series 300 - 330 W_P

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 SUNplatinum® series, a photovoltaic module with mono crystalline cells and thin-glass-glass technology. These outstanding modules produce a continuous and reliable yield, even under extreme conditions. By running as glass-glass module, longevity is further increased and the load characteristics are further improved. Ultrathin glasses enable minimal module weight in combination with heighest stability, due to the possibility of framing. Therefore modules of the SUNplatinum® series are able to replace known module types easily. Modules of the SUNplatinum series are suitable for all common on-grid applications and as frameless version excellent for building integrations (BIPV).



Sunset AS SUNplatinum® series at a glance

- 72 high-performance mono crystalline silicon solar cells made from SUNsilicon® with an efficiency up to 20%
- 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
- Translucent, therefore excellent for BIPV ("Building Integrated PV") applications
- Increased stability against environmental conditions (damp/salt/ammoniac)
- Made in Germany
- Extended warranty terms compared to conventional modules

The world's future energy ®

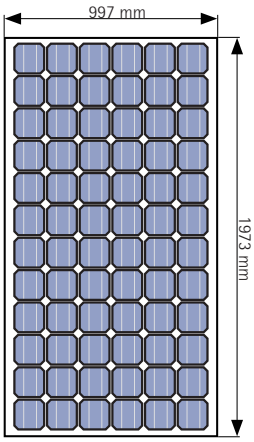
by SUNSET SOLAR

www.sunset-solar.com

Module series SUNplatinum® /72
AS 300, 305, 310, 315, 320, 325, 330/72

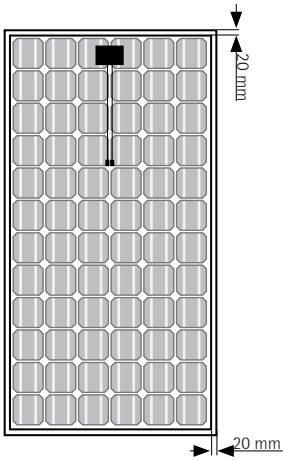
Technical specifications AS			300	305	310	315	320	325	330
Nominal power (±5%)	P_{max}	[W_p]	300	305	310	315	320	325	330
Rated current	I_{MP}	[A]	8.15	8.25	8.35	8.42	8.51	8.60	8.67
Rated voltage	V_{MP}	[V]	36.7	37.0	37.2	37.4	37.6	37.8	38.0
Short circuit current	I_{SC}	[A]	8.60	8.70	8.80	8.90	9.00	9.10	9.20
Open circuit voltage	V_{OC}	[V]	46.3	46.5	46.6	46.8	46.95	47.1	47.1

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



Technical specifications AS			300	305	310	315	320	325	330
Nominal power	P_{max}	[W_p]	217	221	224	228	231	235	239
Rated current	I_{MP}	[A]	6.55	6.63	6.71	6.77	6.84	6.92	6.97
Rated voltage	V_{MP}	[V]	33.0	33.3	33.4	33.6	33.8	34.0	34.2
Short circuit current	I_{SC}	[A]	6.89	6.97	7.05	7.13	7.21	7.30	7.38
Open circuit voltage	V_{OC}	[V]	42.6	42.8	42.9	43.1	43.2	43.3	43.3

Rated value with nominal operating cell temperature (NOCT: 800 W/m², 48± 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]	+ 0.039
Reverse current	I_R	[A]	15	Temperature coefficient V_{oc}	β	[%/K]	- 0.33

Mechanical characteristics

Front covering	2.1 mm solar glass	Protection class	junction box IP 65
Back covering	2.1 mm solar glass	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:

- **10 years product warranty**
- **10 years linear performance warranty for a power output of 90%**
- **30 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**
- **Produced according to IEC 61215 and IEC 61730 (Certificate in preparation)**

Partner:

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Specifications subject to technical changes.