

SUNFARMING PHOTOVOLTAIC MODULE

SF AT 300-60M AB

SF AT 305-60M AB

SF AT 310-60M AB



- High performance modules made of monocrystalline silicon cells (157 x 157 mm)
- 25 years linear performance warranty of the manufacturer
- Manufacturers product warranty for 10 years
- Certificates IEC/EN 61215, IEC/EN 61730-1,2, UL1730, CE
- All modules are plus tolerated
- Very good low irradiance performance
- Independent quality control of each SUNfarming container by TÜV Rheinland and PI Berlin before shipping
- Full quality control by SUNfarming during the production process
- All materials are of the highest quality: high transmission low iron tempered glass with strong mechanical resistance, PET back sheet foil, EVA foil and anodized aluminium frame
- Junction boxes are fully waterproof plug-in (MC4 compatible)

Technical Specifications

Module name	SF AT 300-60M AB	SF AT 305-60M AB	SF AT 310-60M AB
Cell type	monocrystalline with 5-busbar technology		
Rated maximum power at STC[W]	300	305	310
Maximum power current [A]	9.21	9.30	9.42
Maximum power voltage [V]	32.59	32.80	32.96
Open circuit voltage [V]	39.90	40.05	40.18
Short circuit current [A]	9.68	9.72	9.86
Module efficiency [%]	18.4	18.7	19.0
Number of cells [pcs]	60 (6x10)		
Number of bypass-diodes	3		
Dimensions (L x W x H) [mm]	1648 x 990 x 35		
Front glass thickness [mm]	3.2		
Maximum system voltage [V]	1000		
Temperature-coefficient Isc [%/K]	+0.042		
Temperature-coefficient Voc [%/K]	-0.284		
Temperature-coefficient Pm [%/K]	-0.380		
Operating cell temperature (NOCT)	46°C ± 2 °C		
Tolerance wattage [%]	-0/ +3 %		
Maximum surface load capacity [Pa]	6000		
Allowable hail load [mm; m/s]	45; 31		
Weight [kg]	18.3		
Standard test conditions	1.5 AM; 1000W/m ² ; 25°C		
Cable length (junction box) [mm]	1000		
Cable diameter [mm ²]	4		
Frame material	Aluminium, black anodized		
Performance warranty	25 years linear performance warranty		
Packing configuration	31 pcs/ palett 930 pcs/ truck		
Seller	Astronergy /Chint Solar Co, Ltd. China		

Module certificates of the manufacturer

