PV Module

25 Years Guarantee
Our solar panels come with a 25 year performance guarantee, providing peace of mind and ensuring reliable, long-lasting performance for your home.

Strong Mechanical Load
Our solar panels are designed to withstand strong mechanical loads, ensuring long-lasting and reliable performance even in harsh weather conditions.

Anti-Hospot Capability
Ensuring optimal energy production and increased panel lifespan.

High Efficiency
Our solar panels have a high efficiency rate of up to 21%, converting more sunlight into energy and providing a cost effective and environmentally friendly solution for your energy needs.

Strong Frame
Built to withstand extreme weather conditions and ensure long-lasting durability for your solar energy system.

1500V DC System
System capable of 1500 V DC.

Technical Specifications

Performance

Model Number	AS-PV380S-60M-H6 AS-PV380B-60M-H6		AS-PV410S-54M-H8 AS-PV410B-54M-H8		AS-PV450S-72M-H6 AS-PV450B-72M-H6	
Test Conditions	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (W)	380	285.6	410	308.9	450	338.3
Short-circuit Current (A)	11.42	9.23	13.85	11.19	11.36	9.18
Open-circuit Voltage (V)	41.7	38.9	37.6	35.1	50.0	46.6
Maximum Power Current (A)	10.92	8.75	13.02	10.61	10.87	8.70
Maximum Power Voltage (V)	34.8	32.7	31.5	29.1	41.4	38.9
Module Efficiency (%)	20.54		21.00		20.37	
Max. over-current protection rating (A)	20		25		20	
Power Tolerance (W)			0~ +5			
Measuring Uncertainty of Pm (%)			0~ ±5			
Maximum System Voltage (V)			1500			

General

Junction Box Frame		IP68	
Frame		Anodised Aluminium	
Cable		4 mm² +300,-300 mm Length can be customized	
Fire Class Rating		Class C according to UL 790	
Connector(Model/Brand)		PV-TT02/Chuangda; PV-ST101/Hengda; PV-ZPJ030A/40th Institute	
Operating Temperature (°C)		-40 to +85	
Snow Load (pa)		5400	
Standards		IEC 61215 IEC 61730 ISO9001	
Dimensions (mm)	1765 x 1048 x 30	1722 x 1134 x 35	2108 x 1048 x 35
Weight (kg)	20.5	22.0	24.5

Temperature Characteristics

NMOT (°C)		45 ± 2	
Temp Coefficient of VOC (%/ °C)	-0.29	-0.27	-0.29
Temp Coefficient of ISC (%/ °C)	+0.05	+0.05	+0.05
Temp Coefficient of Pmax (%/ °C)	-0.36	-0.35	-0.36

STC (Standard Testing Conditions): 1000 W/m² Irradiance, 25 °C Cell Temperature, AM 1.5.
NMOT (Normal Module Operation Temperature): 800 W/m² Irradiance, 20 °C Ambient Temperature, Wind Speed 1 m/s.
Note: Clamps are not used for these PV Modules.