

MONOFACIAL HALF CUT 10BB MODULE 525-560W Monoperc



More Power Generation

Larger size of light receiving area and higher module conversion efficiency



10 Busbar Technology

Higher power collection density improves power generation



Stable Generation Performance

Guaranteed 0~+5W positive tolerance and slower power attenuation: first year ≤2%, 0.55% per year from 2-25



Higher Power Gains and Lower Losses

Excellent low irradiance performance and low shadow loss



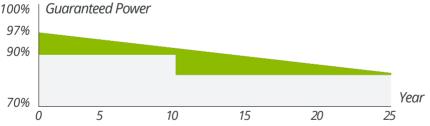
Process Optimized and Upgraded

Lower risk of hot spot and stronger anti-PID ablity



Strong Environmental Adaptability and Great Durability

Certified by Dust-Sand, Salt-Mist, Ammonia etc. weather resistance tests and enhanced mechanical load: wind load (2400 Pascal) and snow load (5400 Pascal)

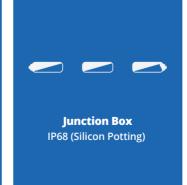


- 12 year product warranty
- 25 year linear performance warranty
- ☐ Industry Standard

Smart Solar Technologies









About Smart Solar Technologies

Smart Solar Technologies produces new generation PERC, Black Silicon, Bifacial, MBB and Half-Cut modules with backsheets or glass-glass options in its factory located in Gebze Organized Industrial Zone with a closed area of 23,500 m².



STC - ELECTRICAL VALUES

Model	SS525M6H-24/TH	SS530M6H-24/TH	SS535M6H-24/TH	SS540M6H-24/TH	SS545M6H-24/TH	SS550M6H-24/TH	SS555M6H-24/TH	SS560M6H-24/TH				
Туре		Monocrystalline 182 x 91mm										
Rated Power (Pmpp)	525	530	535	540	545	550	555	560				
Tolerance		0~+5W										
Rated Current (Impp)	12.68	12.74	12.80	12.86	12.91	12.97	13.03	13.08				
Rated Voltage (Vmpp)	41.40	41.60	41.80	42.00	42.20	42.40	42.60	42.80				
Short Circuit Current (ISC)	13.48	13.54	13.60	13.66	13.72	13.78	13.84	13.90				
Open Circuit Voltage (Voc)	49.20	49.40	49.60	49.80	50.00	50.20	50.40	50.60				
Module Efficency (%)	20.31	20.51	20.70	20.89	21.09	21.28	21.48	21.67				
NOCT (Nominal Operating Cell Temperature)		45±2°C										
Voltage Temperature Coefficient		-0.31%/°C										
Current Temperature Coefficient		+0.05%/°C										
Power Temperature Coefficient		-0.35%/°C										
Sto	ndard Test Environment :	Irradiance 1000V	V/m², Cell tempe	rature 25°C, Spec	trum AM1.5							

NOCT - ELECTRICAL VALUES

Rated Power (Pmpp)	391	394	398	402	405	409	413	417
Rated Current (Impp)	10.06	10.11	10.15	10.20	10.24	10.24	10.33	10.38
Rated Voltage (Vmpp)	38.80	39.00	39.20	39.40	39.60	39.80	40.00	40.10
Short Circuit Current (Isc)	10.89	10.94	10.99	11.04	11.09	11.13	11.18	11.23
Open Circuit Voltage (Voc	46.10	46.30	46.50	46.70	46.90	47.10	47.30	47.50

Standard Test Environment: Irradiance 800W/m², Ambient temperature 20°C, Spectrum AM1.5, Wind speed 1m/s

MECHANICAL CHARACTERISTICS

Length: 2279mm (89,72 inch) Dimension (LxWxH) Width: 1134mm (44,65 inch) Height: 35mm (1,38 inch)

29kg (63,93 lbs) Weight

3.2mm High Transmission, Antireflection Coating Glass

4mm² (IEC), 300/400mm in length, length can be customized Cable

IP 68, 3 Bypass Diodes Junction Box MC4 Compatible Connector

ABSOLUTE MAXIMUM RATING

Operating Temperature From -40 to +85°C Hail Diameter @ 80km/h Up to 25mm Front Side Maximum Static Loading 5400Pa Rear Side Maximum Static Loading 2400Pa **Maximum Series Fuse Rating** 25A **Application level** Class A DC 1500V Maximum System Voltage

PACKING CONFIGURATION

Container 40HQ Pieces/Container

ELECTRICAL CHARACTERISTICS

