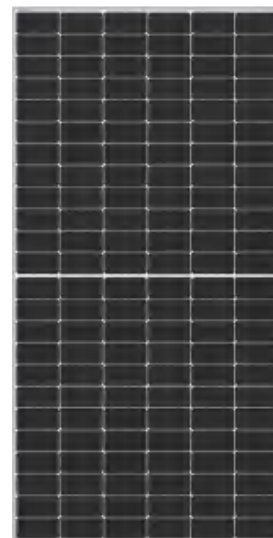


Ultra V Pro

HALF-CELL N-Type TOPCon MONOFACIAL MODULE

TYPE: STPXXXS - C72/Nsh



POWER OUTPUT

565-585W

MAX EFFICIENCY

22.6%

Features



High module conversion efficiency

Module efficiency up to **22.6%** achieved through advanced cell technology and manufacturing process



Lower operating temperature

Lower operating temperature and temperature coefficient increases the power output



Suntech current sorting process

Up to **2 %** power loss caused by current mismatch could be diminished by current sorting technique to maximize system power output



Extended wind and snow load tests

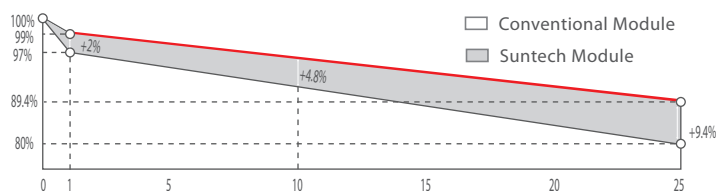
Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal) *



Excellent weak light performance

More power output in weak light condition, such as cloudy, morning and sunset

Industry-leading Warranty **



◆ First year power degradation: 1%

◆ Annual degradation: 0.40%

◆ 25 years of linear warranty

◆ 12 years of product warranty

Certifications and Standards

CE IEC 61730 IEC 61215
 SA 8000 Social Responsibility Standards
 ISO 9001 Quality Management System
 ISO 14001 Environment Management System
 ISO 45001 Occupational Health and Safety



Munich RE

Ultra V Pro STPXXXS - C72/Nsh 565-585W

Mechanical Characteristics

Solar Cell	N-type Monocrystalline silicon 182 mm
No. of Cells	144 (6 × 24)
Dimensions	2278 × 1134 × 35 mm (89.7 × 44.6 × 1.4 inches)
Weight	27.5 kgs (60.6 lbs.)
Front Glass	3.2 mm (0.126 inches) fully tempered glass
Output Cables	4.0 mm ² , (-) 350 mm (+) 160 mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500 V DC (IEC)
Connectors	Genuine MC4 EVO2, Suntech STP-XC4-4
Fire Class Rating	C in accordance with UL 790
Maximum Series Fuse Rating	25 A
Power Tolerance	0/+5 W

For tracker installation, please turn to Suntech for mechanical load information.



Electrical Characteristics

Module Type	STP585S-C72/Nsh		STP580S-C72/Nsh		STP575S-C72/Nsh		STP570S-C72/Nsh		STP565S-C72/Nsh	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	585	445.9	580	442.1	575	438.4	570	434.6	565	430.7
Optimum Operating Voltage (Vmp/V)	42.79	40.4	42.68	40.3	42.56	40.2	42.44	40.1	42.32	39.9
Optimum Operating Current (Imp/A)	13.67	11.04	13.59	10.97	13.51	10.91	13.43	10.85	13.35	10.79
Open Circuit Voltage (Voc/V)	51.55	48.9	51.42	48.8	51.29	48.7	51.16	48.6	51.03	48.5
Short Circuit Current (Isc/A)	14.40	11.61	14.32	11.55	14.24	11.48	14.16	11.42	14.08	11.35
Module Efficiency (%)	22.6		22.5		22.3		22.1		21.9	

STC: Irradiance 1000 W/m², module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m², ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerances of Pmax, Voc and Isc are within +/- 3%.

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.30%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.046%/°C

Packing Configuration

Container	40' HC
Pieces per pallet	31
Pallets per container	20
Pieces per container	620
Packaging box dimensions	2310×1120×1255 mm
Packaging box weight	902 kg

Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. All specifications are in accordance with standard EN 50380. Color differences of the modules relative to the figures as well as discolorations of/in the modules which do not impair their proper functioning are possible and do not constitute a deviation from the specification.

Graphs

Current-Voltage & Power-Voltage Curve (585S)

