



# HALF-CELL BIFACIAL MODULE

TYPE: STPXXXS - D66/Pmh+

POWER OUTPUT 650-670W

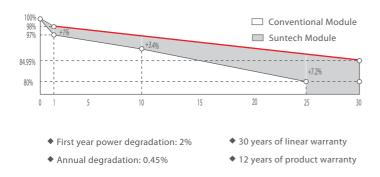
MAX EFFICIENCY



#### Features

High module conversion efficiency	Lower operating temperature
Module efficiency up to 21.6% achieved through advanced	Lower operating temperature and temperature coefficient
cell technology and manufacturing process	increases the power output
B:B:D:D:D:D:D:D:D:D:D:D:D:D:D:D:D:D:D:D	ed Extended wind and snow load tests Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal) *
Excellent weak light performance	Withstanding harsh environment
More power output in weak light condition, such as cloudy, morning	Reliable quality leads to a better sustainability even in harsh
and sunset	environment like desert, farm and coastline

## Industry-leading 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 IEC TS 62941 Guideline for Module Design Qualification and Type Approval





# Ultra X STPXXXS - D66/Pmh+ 650-670W

### **Mechanical Characteristics**

4 inches) -tempered glass	4-05, 1(00, 2) Grounding holes 4-14, x9(0, 55, x0, 35) Mounting alors		1262 [49:	B		pi
-tempered glass						
-tempered glass	4-14x9(0.55x0.35) Mounting slots					!
	4-14:x9[0.55x0.35] Mounting slots					1
	4-10x7[0.39x0.28]		(Rear V	iowi		
	Mounting slots (Tracker)					
	A					]±1[0.0/ ]±1[0.0
	Section A-A	6			Ta	400 [15.75]±1[0.04] 14.00 [55.12]±1[0.04] 2384 [93.9]±2[0.08]
						140 140
	30[1.18]				_	
	- Section B-B					, <b>+</b>
	5×1120×2500	5×1120×2500	5×1120×2500	5×1120×2500	5×1120×2500	5×1120×2500

### **Electrical Characteristics**

Module Type	STP <b>670</b> S-	D66/Pmh+	STP <b>665</b> S-	D66/Pmh+	STP <b>660</b> S-	D66/Pmh+	STP <b>655</b> S-	D66/Pmh+	STP <b>650</b> S-	D66/Pmh+
Testing Condition	STC	NMOT								
Maximum Power (Pmax/W)	670	505.5	665	501.7	660	497.9	655	494.1	650	490.3
Optimum Operating Voltage (Vmp/V)	38.45	35.8	38.25	35.7	38.05	35.6	37.85	35.4	37.65	35.2
Optimum Operating Current (Imp/A)	17.43	14.10	17.39	14.07	17.35	13.99	17.31	13.96	17.27	13.92
Open Circuit Voltage (Voc/V)	46.45	43.7	46.25	43.5	46.05	43.4	45.85	43.2	45.65	43.0
Short Circuit Current (Isc/A)	18.43	14.87	18.39	14.84	18.35	14.76	18.31	14.73	18.27	14.70
Module Efficiency (%)	2	1.6	2	1.4	2	1.2	2	1.1	2	0.9

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; Tolerance of Pmax is within +/- 3%;

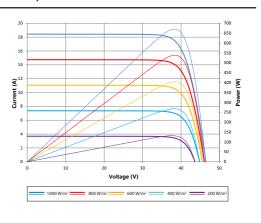
### Different Rearside Power Gain Reference to 6605 Front

Rearside Power Gain	5%	15%	25%
Maximum Power at STC (Pmax)	693.0	759.0	825.0
Optimum Operating Voltage (Vmp/V)	38. 1	38. 1	38. 2
Optimum Operating Current (Imp/A)	18. 22	19.95	21.69
Open Circuit Voltage (Voc/V)	46. 1	46. 1	46. 2
Short Circuit Current (Isc/A)	19.27	21.10	22.94
Module Efficiency (%)	22. 3	24. 4	26. 6

### **Temperature Characteristics**

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.050%/°C





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.