

5 Watt

H/Ssh

[https://www.ihf.uzh.ch/](#)



Electrical Characteristics

STC	STPXXS-A66H/Ssh				
Main Power STC (Pa)	365 W	360 W	355 W	350 W	345 W
Operating Voltage (V)	39.93 V	39.60 V	39.26 V	38.93 V	38.59 V
Operating Current (I)	9.14 A	9.09 A	9.04 A	8.99 A	8.94 A
Operating Voltage (Vc)	48.00 V	47.63 V	47.25 V	46.88 V	46.49 V
Shutdown Current (Ic)	9.73 A	9.68 A	9.63 A	9.58 A	9.53 A
Module Efficiency	20.8%	20.5%	20.2%	20.0%	19.7%
Operating Temperature	-40 C, +85 C				
Main Supply Voltage	1500 V DC (IEC)				
Main Series Resistance	20 A				
Power Tolerance	0/+5 W				

STC: adiacent 1000W/3, derated at 25 C, AM=1.5;
 Power tolerance +/-3%; Voltage tolerance +/-2%; Current tolerance +/-4%.

NMOT	STPXXS-A66H/Ssh				
Main Power NMOT (Pa)	270 W	266 W	263 W	259 W	255 W
Operating Voltage (V)	37.80 V	37.50 V	37.30 V	36.90 V	36.50 V
Operating Current (I)	7.14 A	7.10 A	7.06 A	7.02 A	6.98 A
Operating Voltage (Vc)	45.60 V	45.20 V	44.90 V	44.50 V	44.20 V
Shutdown Current (Ic)	7.85 A	7.81 A	7.77 A	7.73 A	7.69 A

NMOT: 1 adiacent 800W/3, ambient temperature 20 C, AM=1.5, inrush current /.

Temperature Characteristics

Nominal Operating Temperature (NMOT)	43, 2 C
Temperature Coefficient of Power	-0.38%/C
Temperature Coefficient of Voltage	-0.31%/C
Temperature Coefficient of Current	0.048%/C

Mechanical Characteristics

Surface	M PERC 158.75 *26.46
Number of Cells	396 (6 66)
Dimensions	1740 1008 35 (L W H)
Weight	19.0 g
Form Factor	3.2
Failure	As defined in the datasheet
Jointing	IP68, 2 bar absolute
Operating Cable	4 m ² , cable length 300 (cable connector included)
Cable	MC4 EV02
Fire Classification	Classified according to UL 790

Packing Configuration

Container	20' GP	40' HC
Pieces per container	30	30
Pieces per pallet	10	24
Pieces per container	300	720

Dealer information