

HT54-18X(N) PANDA

SINGLE GLASS TOPCON PV MODULE

430-450W

DESIGNED FOR AUSTRALIA

MODULE EFFICIENCY UP TO 23.0%

FEATURE



Half-cut cell technology reduces internal power loss, improves power production and provides excellent heat dissipation to avoid hot spots.



30 Year product warranty for rooftop installations
15 Year for ground mounted.



30 Year power output warranty.

EL Tested

High quality control using double EL tests to ensure reliability and avoid microcracks.



Certified to withstand extreme mechanical load 5400 Pa positive and 2400 Pa negative. 25mm hailstone at the speed of 23m/s.

TOPCon

Optimised Multi-Busbar (MBB) for maximum light absorption, lower resistance and improved current collection for enhanced reliability.



Designed for high voltage systems of up to 1500 VDC, increases string length and saves on BoS costs.



All modules sorted and packaged by amperage reducing mismatch losses by average of 2% to enhance system output.

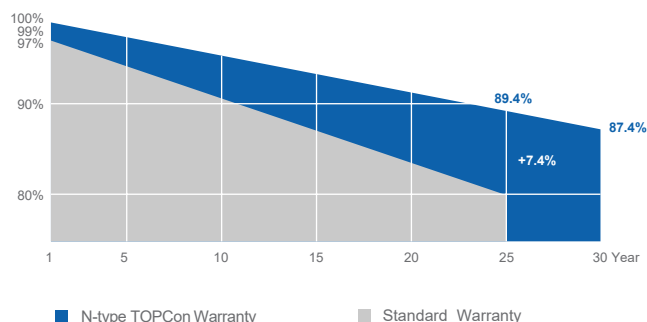
AntiPID

Excellent Anti-PID performance resulting in low power degradation and a high energy yield.

Low Degradation Rate

0.4% annual degradation rate over 30 year power output.

WARRANTY



COMPREHENSIVE AND FIRST-RATE CERTIFICATION SYSTEM

IEC 61215, IEC 61730 Latest Standard
ISO 9001, ISO 14001, ISO 45001 and SA8000.
Strict quality control of the highest international standards.



MULTIWAY+
BETTER CHOICE FOR HIGHER EFFICIENCY!

HT54-18X(N) PANDA
430W / 435W / 440W / 445W / 450W

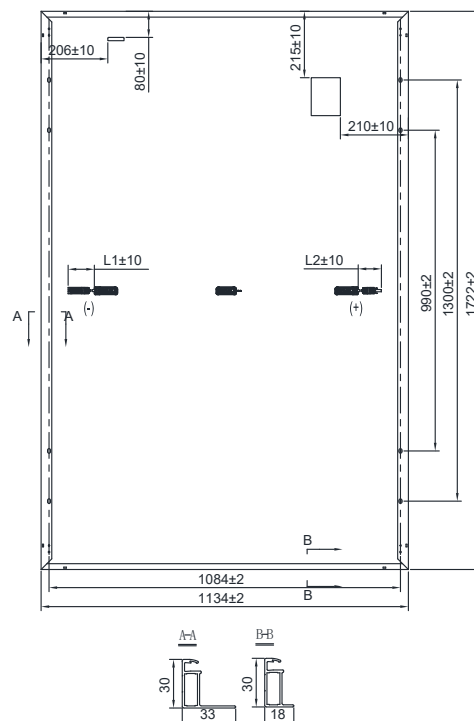
ELECTRICAL CHARACTERISTICS (STC)

Module Type	HT54-18X(N)				
Maximum Power (Pmax)	430W	435W	440W	445W	450W
Open Circuit Voltage(Voc)	38.3V	38.4V	38.6V	38.7V	38.8V
Short Circuit Current(Isc)	14.23A	14.31A	14.39A	14.47A	14.55A
Maximum Power Voltage(Vmp)	31.9V	32.0V	32.2V	32.4V	32.5V
Maximum Power Current(Imp)	13.50A	13.60A	13.68A	13.76A	13.85A
Module Efficiency	22.0%	22.3%	22.5%	22.8%	23.0%
Power/Voc/Isc Measurement Tolerances	±3%/±5%/±5%				
Maximum System Voltage	1500V DC (IEC)				
Maximum Series Fuse Rating	30A				
Operating Temperature	-40℃ to +85℃				
STC: AM 1.5, Irradiance 1000W/m², module temperature 25℃					

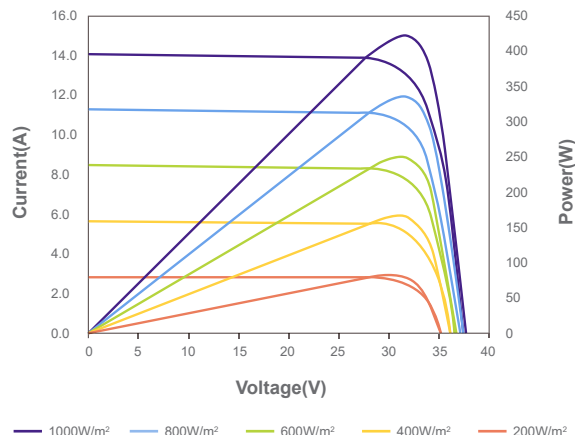
ELECTRICAL CHARACTERISTICS (NMOT)

Module Type	HT54-18X(N)				
Maximum Power(Pmax)	327W	331W	335W	338W	342W
Open Circuit Voltage(Voc)	36.8V	36.9V	37.1V	37.2V	37.2V
Short Circuit Current(Isc)	11.47A	11.53A	11.60A	11.66A	11.73A
Maximum Power Voltage(Vmp)	30.6V	30.7V	30.9V	31.1V	31.2V
Maximum Power Current(Imp)	10.69A	10.78A	10.84A	10.87A	10.96A
NMOT: Irradiance 800W/m², ambient temperature 20℃, wind speed 1m/s					
Nominal Module Operating Temperature(NMOT)				43 ± 2℃	
Temperature Coefficient of Pmax		γ(PM)		-0.31%/℃	
Temperature Coefficient of Voc		β(Voc)		-0.25%/℃	
Temperature Coefficient of Isc		α(Isc)		0.046%/℃	
Solar Cells		Monocrystalline			
No.of Cells		108 (6x18)			
Dimensions		1722mm x 1134mm x 30mm			
Weight		21.0 kg			
Glass		High light transmittance coated tempered glass			
Frame		Anodised aluminum alloy			
Junction Box/Connectors		IP68 / PV-HT005-01 HT-SAAE product / Stäubli MC4			
Cable		4mm²(IEC) length: (+) 1200mm, (-) 1200mm			
Fire Rating		IEC Class C			
Packaging Configuration		36 pcs/box: 936 pcs/ 40' HQ Container			

DIMENSIONS OF PV MODULE (mm)



IV CURVES



Shanghai Aerospace Automobile Electromechanical Co., Ltd.
Shanghai Aerospace Innovation and Entrepreneurship Center
No. 3883, Building 1, Yuanjiang Road, Minhang District
Shanghai, China 201108

Australia office
Level 45, 680 George St, Sydney NSW 2000

Website: www.ht-saae.com.au

Made in China

Module recycling should be carried out by professionals.

Copyright©2024V2 Specifications are subject to change without further notification.

Only available in Australia