

NOTRE SELECTION

Les différents produits que nous avons sélectionnés pour vous, on été choisi principalement sur base de trois critères, à savoir:

- La performance, nous sélectionnons des produits à la pointe et de haute performance technologique & énergétique.
- La fiabilité, la qualité et la durabilité des composants, le service, la garantie.
- L'environnement, ils est important aujourd'hui de choisir des produits respectueux de la nature, qui sont au maximum recyclable, et à faible production carbone.

PANNEAU PHOTOVOLTAÏQUE

Les panneaux Techtop® respectent tous les critères de sélection, leur performance n'est plus à démontrer avec un rendement maximal de 22%, et traité anti-neige et pollution. Sa fiabilité est son principal atout, car avec une perte minimale due à la durée d'utilisation (<10% après 25 ans) avec une garantie de 25 ans. Le panneau Techtop® respecte l'environnement, il est recyclable à plus de 90%, ce qui en fait un des meilleurs du marché de plus sa belle finition black/black permet de donner une touche esthétique à votre toiture.

415W+

MAXIMUM POWER OUTPUT

COMPONENT WEIGHT

21 kg

COMPONENT DIMENSIONS

1722 *1134*35mm

NUMBER OF CELLS

108(6*18)

PACKAGING INFORMATION

31 piece per pallet

21.25%

MAXIMUM EFFICIENCY

0~+5W

POSITIVE POWER TOLERANCE

Linear power output warranty

Product material and workmanship warranty





Adopting multi-main shed (MBB) half-sheet technology, the output power is away from 415 w, and the conversion efficiency of the module reaches 21.25%.



Anti-PID performance. The PID (Potential Induced Degradation) resistance authority test (85°C/85% RH, 96hours) under the harsh conditions of the industry minimizes the chance of degradation caused by the PID.



Mechanical load.Certified for wind load of 2400 Pa at the back of the assembly and snow load of 5400 Pa at the front.



Excellent low light power generation performance.Excellent electrical performance output under low light conditions.



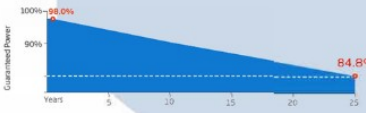
Low light attenuation.Rigorous ATLAS steady-state light testing ensures excellent photoluminescence performance for each batch of modules.



Rigorous EL testing.Spatial resolution is less than 0.5mm,and more than two EL tests before and after to ensure zero defects inside the component.

*Please refer to the installation manual for details

TECHTOP SOLAR Performance Warranty



The graph shows a linear decline in power output from 100% at year 0 to 94.8% at year 25. The y-axis is labeled 'Guaranteed Power' and the x-axis is 'Years'.

AUTONOMY RECHARGE SOLAR SYSTEM

Rue Pisseroule, 286
B-4820 DISON

0487 739 678
04 283 30 21

info@arss.be
www.arss.be

Agréation: 1109/432
BE 0439 867 977

THM54T30/MR

395-415

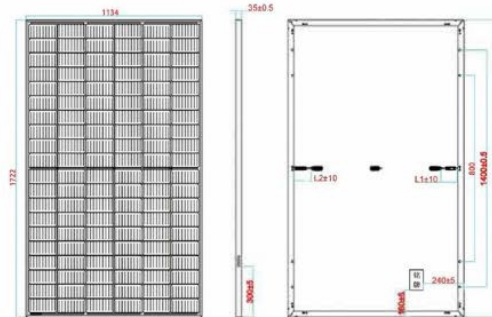
Mechanical properties

Battery Type	Monocrystalline
Component weight	21kg
Component Size	1722*1134*35mm
Number of Cells	108(6*18)
Cable cross-sectional area	4mm ²
Junction Box	IP68,3 diodes
Connector	MC4 compatible connector
Packaging Information	31 pieces per pallet

Working parameters

Maximum system voltage	1500V(TUV)
Operating temperature	-40°C~+85°C
Maximum fuse current rating	25A
Maximum static load,front	5400 Pa
Maximum static load,back side	2400 Pa
Battery nominal operating temperature	45±2°C
Application Level	ClassA

Engineering drawings



Electrical performance parameter under STC

Modal	THM54T30-395/MR	THM54T30-400/MR	THM54T30-405/MR	THM54T30-410/MR	THM54T30-415/MR
Maximum power(W)	395W	400W	405W	410W	415W
Voltage at maximum power point(VMPV)	30.71V	31.01V	31.31V	31.60V	31.89V
Current at maximum power point(IMP/A)	12.86A	12.90A	12.94A	12.97A	13.01A
Open circuit voltage (VOCV)	36.72V	36.98V	37.24V	37.50V	37.73V
Short circuit current (ISC/A)	13.67A	13.75A	13.81A	13.88A	13.95A
Component efficiency [%]	20.23%	20.48%	20.74%	21.00%	21.25%
Power tolerance(W)	0~+5				
Standard test environment	Irradiance 1000W/m ² , cell temperature 25°C, spectrum AM1.5				

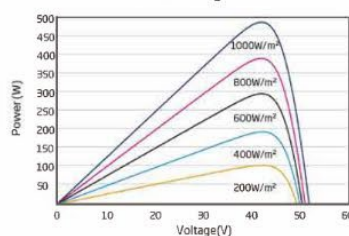
Note: Due to continuous innovation, research and product upgrades, the parameters in this specification do not refer to a single component and can only be used for comparison between types.

Electrical performance parameters under NOCT

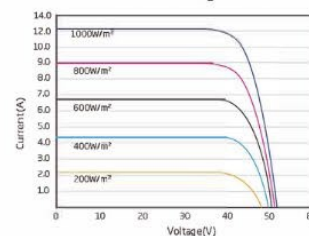
Modal	THM54T30-395/MR	THM54T30-400/MR	THM54T30-405/MR	THM54T30-410/MR	THM54T30-415/MR
Maximum power(W)	294W	298W	301W	305W	309W
Voltage at maximum power point (Vmp)[V]	28.70V	28.99V	29.29V	29.60V	29.88V
Current at maximum power point (Imp)[A]	10.24A	10.27A	10.29A	10.31A	10.33A
Open circuit voltage (Voc)[V]	34.71V	34.94V	35.14V	35.35V	35.55V
Short circuit current (Isc)[A]	11.37A	11.43A	11.50A	11.58A	11.65A
Nominal battery operating temperature (NOCT)	Irradiance 800W/m ² , ambient temperature 20°C, spectrum AM1.5G, wind speed 1m/s				

Temperature Characteristics	Power	-0.350%/°C
	Open Circuit Voltage	-0.274%/°C
	Short circuit current	0.044%/°C

Power-Voltage Curve



Current-Voltage Curve



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