



Electrical Data

Model			TS72-CMH-560 H6QT	TS72-CMH-565 H6QT	TS72-CMH-570 H6QT	TS72-CMH-575 H6QT	TS72-CMH-580 H6QT	TS72-CMH-585 H6QT	TS72-CMH-590 H6QT	TS72-CMH-595 H6QT	TS72-CMH-600 H6QT	TS72-CMH-605 H6QT	TS72-CMH-610 H6QT
Max. power at STC	P _{max}	W	560	565	570	575	580	585	590	595	600	605	610
Max. power voltage	V _{mp}	V	41.95	42.14	42.29	42.44	42.59	42.74	42.89	43.04	43.19	43.34	43.49
Max. power current	I _{mp}	A	13.35	13.41	13.48	13.55	13.62	13.69	13.76	13.83	13.9	13.97	14.04
Open circuit voltage	V _{oc}	V	51.47	51.67	51.87	52.07	52.27	52.47	52.67	52.87	53.07	53.27	53.47
Short circuit current	I _{sc}	A	13.91	13.97	14.03	14.09	14.15	14.21	14.27	14.33	14.39	14.45	14.51
Module Conversion Eff.		%	21.6%	21.8%	22.0%	22.2%	22.4%	22.6%	22.8%	23.0%	23.2%	23.4%	23.6%

* Under Standard Test Condition(1,000W/m²,25°C,AM 1.5): Power Tolerance ±3%, Voc Tolerance ±3%, Isc Tolerance ±3%

* Module Conversion Eff. (%) = [Max power at STC(w) / ((Solar Module Area(m²) x 1000 (w/m²))] x 100%

* Backside Gain: The additional power gain obtained from the backside of the module relative to the frontside power under standard test conditions, which depends on the installation of the module (including structure, height, tilt angle, etc.) and ground reflectivity conditions.

General Data

Cell type	Monocrystalline N-Type solar cell
Cell per module	Mono-crystalline silicon N-Type solar cell (144pcs)
Front	2.0 mm, AR-coating, semi-tempered
Encapsulant Flim	EPE/EVA
Rear	2.0 mm, semi-tempered
Frame	6005 T6 Anodized aluminum
Junction Box	IP/68
Connector	EVO-2 Compatible
Cable	(+)300mm,(-) 200mm or customized length / 4mm ²

Operation Conditions

Max. system voltage	1500V
Module fire resistance class	Class C
Protection Class (IEC 61140)	Class II
Series fuse rating	30 A
Number of bypass diodes	3
Temperature range	-40 to +85°C
Max. mechanical load	5400 Pa

* Please follow installation manual provided by TSEC

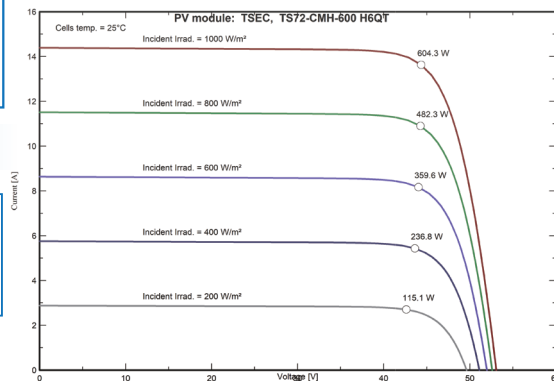
Module Dimensions and Weight

Dimension	2278 x 1134 x 30 mm
Weight	32.6 kg

Electrical Data under Different Bifacial Gains (Using TS72-CMH-610 H6QT as an Example)

Bifacial Gain			5%	10%	20%
Max. power at STC	P _{max}	W	641	671	732
Max. power voltage	V _{mp}	V	43.49	43.49	43.49
Max. power current	I _{mp}	A	14.74	15.44	16.85
Open circuit voltage	V _{oc}	V	53.47	53.47	53.47
Short circuit current	I _{sc}	A	15.24	15.96	17.41
Module Conversion Eff	%		24.7%	25.9%	28.3%

IV Curve



Temperature Coefficient

Nominal Operating Cell Temperature	NOCT	°C	45±2
TC Isc	α	%/ °C	0.045
TC Voc	β	%/ °C	- 0.25
TC Pmax	γ	%/ °C	- 0.29

Certifications

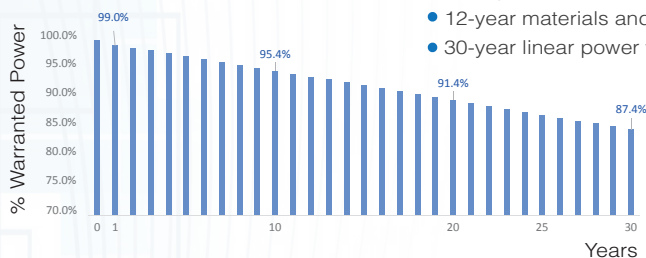
- IEC 61215:2021、IEC 61730-1:2023 & IEC 61730-2:2023
- ISO 9001:2015 Quality management system
- ISO 14001:2015 Environmental management system
- ISO 45001:2018 Occupational health and safety management system



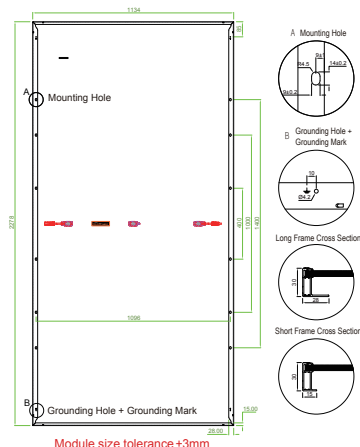
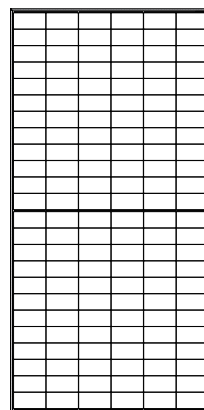
Management System
ISO 9001:2015
ISO 14001:2015
ISO 45001:2018
www.tuv.com
ID 9105065471

Warranty

- 12-year materials and workmanship warranty
- 30-year linear power warranty



Engineering Drawing(mm)



Made in Taiwan

* The information in this document is subject to change without notice

* TSEC reserves the rights of final interpretation and revision of datasheet

* Version : Rev.5, January 2026

TSEC Corporation

Taipei Headquarters | 8F., No.225, Sec3, Beixin Rd., Xindian Dist., New Taipei City 23143, Taiwan, R.O.C

T +886-2-2912-2199 F +886-2-2917-5399 M international.sales@tsecpv.com(Sales Contact) epc@tsecpv.com(EPC Construction Service)