

TKM9D72B

630-665W

Back Contact Module
Bifacial Double Glass

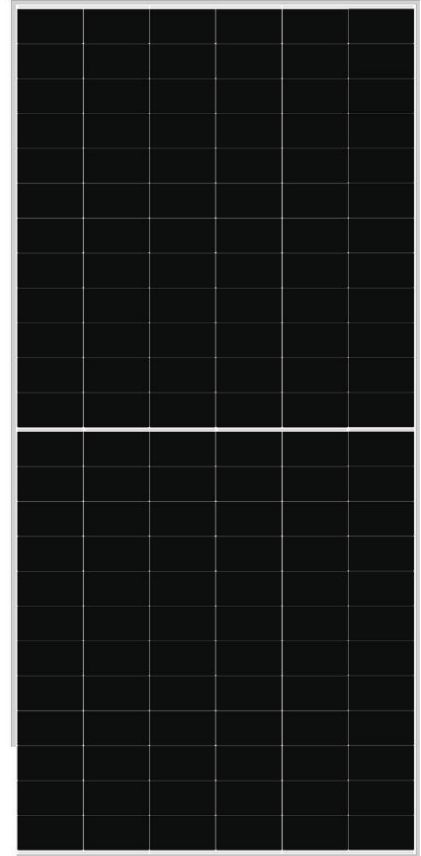
TECHNICAL CHARACTERISTICS

-  Partial Shading Optimisation
-  Industry Leading High Yield
-  Micro-crack Resistance
-  Higher Power
-  More Aesthetic Values
-  Excellent Anti-LID & Anti-PID Performance

WARRANTY

15 Years
Product Warranty

30 Years
Linear Output Warranty



SYSTEM & PRODUCT CERTIFICATES

IEC 61215 / IEC 61730

ISO 9001: 2015 Quality Management System

ISO 14001: 2015 Environment Management System

ISO 45001: 2018 Occupational Health and Safety Management Systems



TKM9D72B

665w
Output

24.60%
Efficiency

Electrical Characteristics		(STC: AM1.5 1000W/m² 25°C)					Test uncertainty for Pmax: ±3%	
	STC	STC	STC	STC	STC	STC	STC	STC
Pmax[W]	630	635	640	645	650	655	660	665
Voc[V]	53.82	53.92	54.02	54.12	54.22	54.32	54.42	54.52
Isc[A]	14.82	14.90	14.98	15.06	15.14	15.22	15.30	15.35
Vmp[V]	44.47	44.57	44.67	44.77	44.87	44.97	45.07	45.17
Imp[A]	14.17	14.25	14.33	14.41	14.49	14.57	14.65	14.72
Module Efficiency	23.3%	23.5%	23.7%	23.9%	24.1%	24.2%	24.4%	24.6%

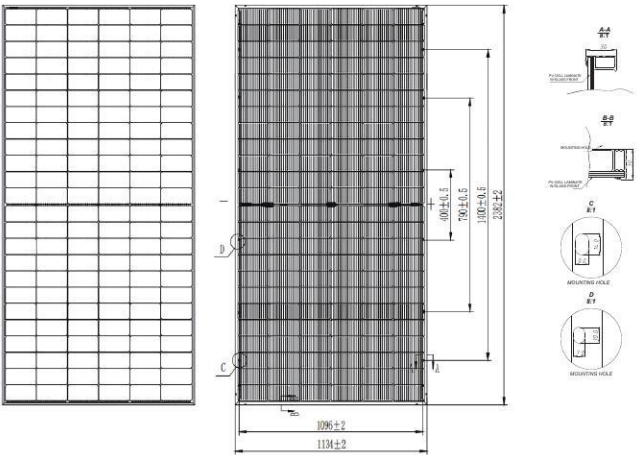
Electrical Characteristics		(NMOT:AM1.5 800W/m² 20°C)						
	NOCT	NOCT	NOCT	NOCT	NOCT	NOCT	NOCT	NOCT
Pmax[W]	480	483	487	491	495	499	502	506
Voc[V]	51.15	51.25	51.34	51.43	51.53	51.62	51.72	51.81
Isc[A]	12.03	11.96	12.03	12.10	12.16	12.22	12.29	12.33
Vmp[V]	42.25	42.35	42.45	42.55	42.64	42.74	42.83	42.93
Imp[A]	11.35	11.41	11.49	11.55	11.61	11.68	11.75	11.80

Temperature Ratings (STC)

Temperature Coefficient of Isc	+ 0.05%/
Temperature Coefficient of Voc	- 0.22%/
Temperature Coefficient of Pmx	- 0.26%/

Product Specification

Bifaciality Factor	70%±5%
Cell Type	N-Type TBC
Front Glass	2.0mm coated semi tempered glass
Back Glass	2.0mm semi-tempered glass
Frame	Anodized aluminum alloy frame
Cable	4mm²(IEC) 12AWG(UL) +400mm,-200mm/±1400mm/customizable
No. of Cells	144(6*24)
Junction Box	IP68, 3 bypass diodes
Connector	MC4 Compatible/MC4 Original
Weight	32.3kg±3%
Dimension	2382*1134*30mm
Package Detail	36pcs per pallet / 144pcs per 20'GP / 720pcs per 40'HC



Installation Guide

Operation Temperature	-40°C - +85°C
Maximum Series Fuse Rating	30A
Protection Class	Class II
Voc and Isc Tolerance	±3%
Maximum System Voltage	DC1500V
Maximum Static Loading	Front 5400Pa Back 2400Pa
Hail Test	25mm diameter hail at 23 m/s
Fire Rating	IEC Class C