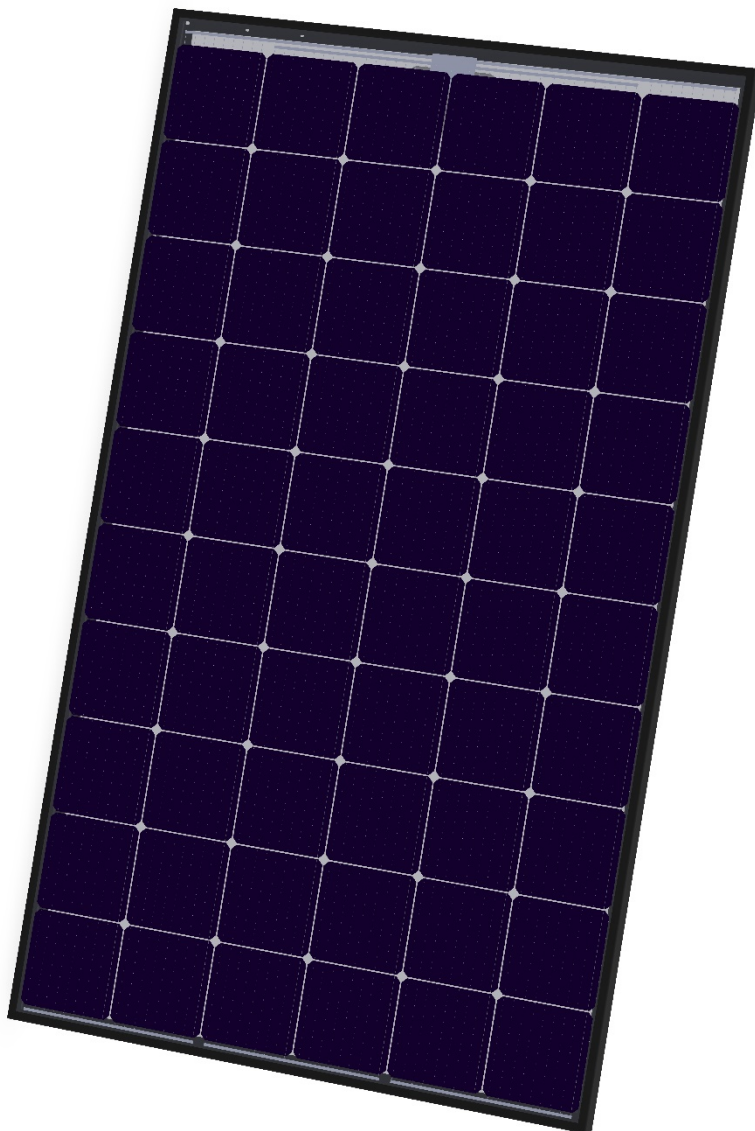


KPV ME NEC 370 Solar Module

The performance, quality and durability of the solar modules determine the amount of energy your system can generate over its lifetime. The 370 W_p solar module designed by TSS has highly efficient 60 monocrystalline PERC cells generating maximum energy.



Cost effective design

Provided with a junction box for both parallel and serial connections inside. No use of plug and sockets required resulting in more reliable and durable connections. No sub-array junction box and less cabling are required.

Optimized battery charging

In addition to MPPT charging, this solar module is optimized for PWM charging of batteries thus reducing losses.

9 busbar technology

Incorporates 9 busbar technology which enhances the efficiency of the solar module by lowering the electrical losses.

High temperature performance

Improved temperature coefficient reduces power loss at high temperatures.

Quality and durability

Performs exceedingly well under low-light irradiance environments. Extremely solid black aluminium frame leading to high stability. High strength 4mm glass providing extra mechanical rigidity to the solar module.

Quality standard

IEC 61215
IEC 61730

Warranty

5 year product warranty
90% performance warranty after 10 years
80% performance warranty after 25 years

KPV ME NEC 370 Solar Module

Electrical characteristics (*STC)	
Max. power (P_{mpp})	370 Wp
Power tolerance	-0 Wp to +5 Wp
Voltage at P_{mpp} (V_{mpp})	35.10 V
Current at P_{mpp} (I_{mpp})	10.57 A
Open circuit voltage (V_{oc})	40.86 V
Short circuit current (I_{sc})	11.10 A
Module efficiency	19.93 %
Nominal voltage	24 V

* Standard testing conditions (STC): 1,000 W/m² irradiation level, AM1.5 spectrum at 25°C cell temperature.

Thermal characteristics	
TC P	-0.39 %/°C
TC Voc	-0.30 %/°C
TC Isc	0.06 %/°C

Additional data	
Max. system voltage	1000 Vdc
Bypass diodes	3
Cable glands	4
Cable max. outside Ø	6.5 mm
Cable size	4 - 6 mm ²
IP degree	IP65
Operating Temperature	-40°C ~ +85°C
Solar cells	166 x 166 mm
Frame	Black anodized aluminium
Max. mechanical load	8000 N/m ²

Dimensions and weight	
Dimensions L x W x H	1773 x 1047 x 40 mm
Weight	24 kg

