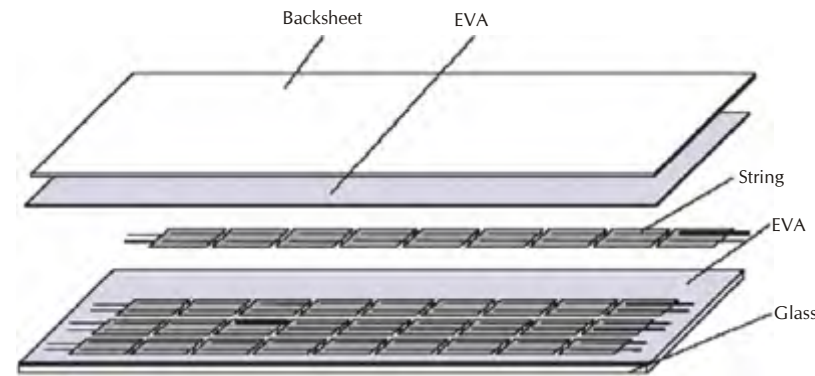


## Alta Performance en 36 Celdas Monocristalinas Modulo Solar Fotovoltaico

90M-36 ~ 100M-36

(90 ~ 100W)



- Power tolerance (0 ~ +3%) to ensure the high reliability of power output.
- Modules certified by TUV to with stand high level of wind loads (2400 Pa) and snow loads (5400 Pa), confirming mechanical stability.
- Most updated design with drainage holes in the frame ensures the modules to withstand various weather conditions.
- Junction box and bypass diodes guarantee the modules free of overheating and "hot spot effect", Minimal wiring effort required as the module has high reverse current resistance.

### Porque Elegir nuestros Paneles Solares

- El fabricante solar más integrado verticalmente en la industria con módulos de producción que utilizan tecnología mono cristalina y policristalina.
- Módulos certificados por las instalaciones de pruebas globales: IEC61215, IEC61730, CE, ROHS.
- Fabricación con normas internacionales de calidad y sistema de gestión del medio ambiente: ISO9001 e ISO14001, 18001..

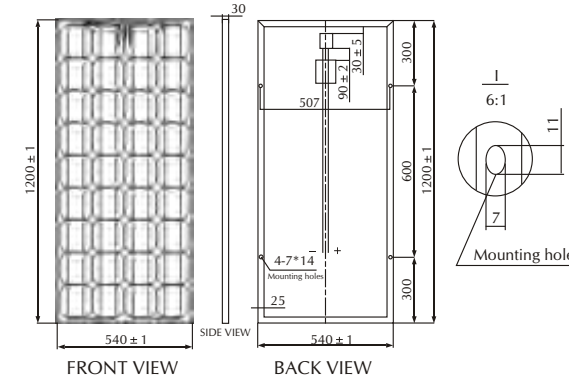
### Guaranteed Performance\*\*

10 Years Manufacturing Warranty

12 Years Warranty 90% Power Output

25 Years Warranty 80% Power Output

### MECHANICAL DRAWINGS



### MECHANICAL SPECIFICATION

Cell Type	Mono Crystalline 125 x 125mm
Number of cells	36(4 x 9)
Dimensions (A x B x C)	1200 x 540 x 30mm
Weights	8kg
Front Glass	3.2mm tempered low iron glass
Frame	Clear anodized aluminium alloy
Junction Box	IP 65, with bypass diodes
Connector	MC4 compatible
Output Cables	TUV, ± length 900mm, 4.0mm <sup>2</sup>

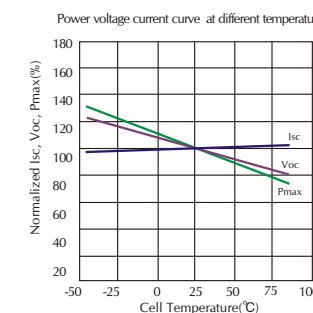
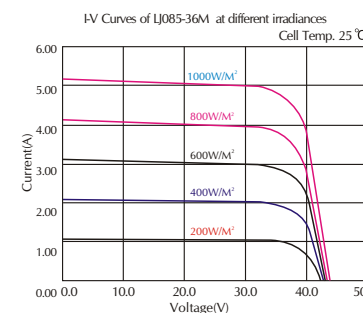
### ELECTRICAL CHARACTERISTICS

Model	90M-36	95M-36	100M-36
Maximun Power at STC(Pmax)	90W	95W	100W
Short Circuit Current(Isc)	5.36A	5.46A	5.56A
Open Circuit Voltage(Voc)	22.30V	22.60V	22.90V
Maximum Power Current(Imp)	4.82A	5.08A	5.18A
Maximum Power Voltage(Vmpp)	18.70V	18.72V	19.30V
Module Efficiency	13.89%	14.66%	15.43%
Power Tolerance	0 ~ +3%	0 ~ +3%	0 ~ +3%

STC: irradiance 1000W/m<sup>2</sup> Module temperature 25°C AM = 1.5

### TEMPERATURE CHARACTERISTICS

Normnal Operating Cell Temperature (NOCT)	45°C ± 2°C
Temperature Coefficient of Pmax	-0.44%/°C
Temperature Coefficient of Voc	-0.34%/°C
Temperature Coefficient of Isc	0.06%/°C



### SYSTEM INTEGRATION PARAMETERS

Maximum System Voltage	1000VDC
Maximum Series Fuse	10A
Increased Snowload acc. to IEC 61215	5400Pa
Operating Temperature	-40 to +85°C
Junction Box	IP65,2 or 4 bypass diodes

Debido a la continua innovación, la investigación y la mejora del producto, las especificaciones de esta hoja de información del producto están sujetas a cambios sin previo aviso. Las especificaciones pueden variar ligeramente y no están garantizadas.

Los datos no se refieren a un solo módulo y no forman parte de la oferta, solo sirven para comparación con diferentes tipos de módulos

### QUALIFICATIONS AND CERTIFICATES

