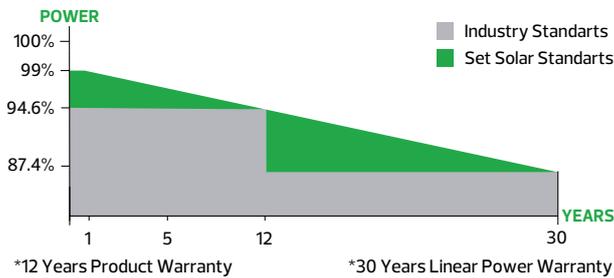
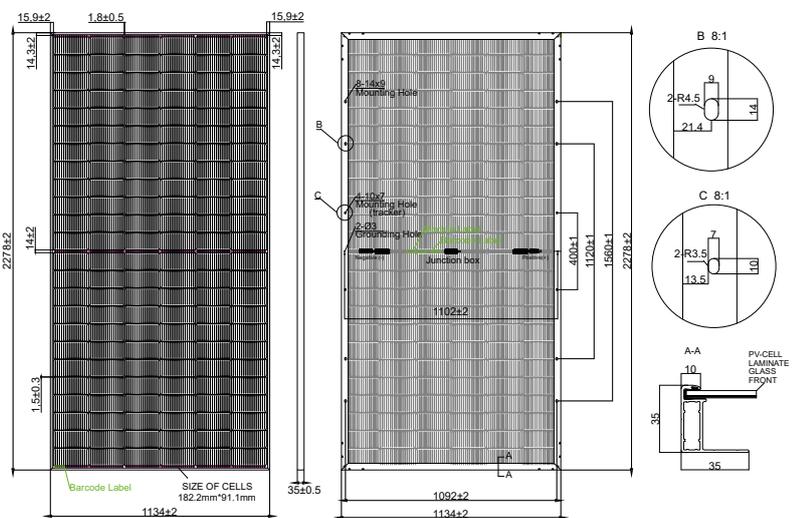


- 
**16 BUSBAR SOLAR CELL**  
 Higher module efficiency with 16 Busbar solar cell technology
- 
**POTENTIAL INDUCED DEGRADATION RESISTANT**  
 Panels maintain their high performance for a long time
- 
**EXTRA HIGH OUTPUT POWER**  
 Extra high conversion efficiency, more power production per unit area
- 
**BETTER LOW TEMPERATURE COEFFICIENT**  
 Less affected by the loss of efficiency caused by high temperature
- 
**MAXIMUM SYSTEM VOLTAGE**  
 Contributes to your budget by lowering your installation costs
- 
**EXTRA LOW LIGHT PERFORMANCE**  
 Produces better results even when the light is low
- 
**POWER TOLERANCE**  
 Positive Power Tolerance **0±4.99W**
- 
**SALT CORROSION RESISTANT**  
 Salt resistance according to IEC 61701:2020 standards
- 
**AMMONIA CORROSION RESISTANT**  
 Corrosion resistance according to IEC 62716:2013 standards

## LINEAR PERFORMANCE WARRANTY

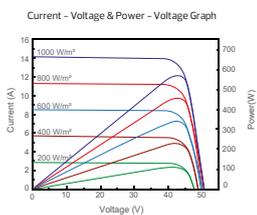


## TECHNICAL DRAWING

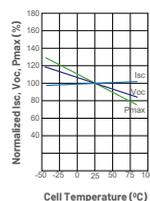


## ELECTRICAL CHARACTERISTICS

Current-Voltage & Power-Voltage Curves (585Wp)



Temperature Dependence of Isc, Voc, Pmax



## MECHANICAL CHARACTERISTICS

Cell Type	M10 16BB TOPCon Solar Cell
No.of Cells	182,2x91,1mm (144 pcs)
Dimensions	2278x1134x35mm
Weight	28 kg (61,73 lbs)
Glass	3.2mm (0.13 inch) Anti Reflective Coating
Frame	Silver Anodized Aluminum Alloy
Junction Box	IP 68 Rated/ Original MC4 EVO-2/QC4.10 PLUS
Output Cables	4mm <sup>2</sup> Solar Cable; 400mm(+), 300(-)mm

\*Cable lengths can be produced as 1500mm(+) and 1300mm(-) according to customer requests.

## ABSOLUTE MAXIMUM RATING

Mechanic Load	5400 Pa (Snow)/ 2400 Pa (Wind)
Maximum Series Fuse Rating	30 A
Application Safety Class	II
Fire Rating(IEC61730)	C
Module Fire Performance(UL1703)	Type1

## PACKAGING CONFIGURATION

Module Size(mm)	Box-Truck	Box-40HQ
2278x1134x35	704 pcs./22 pallets	640 pcs./20 pallets

\*Set Solar Galvani Series M10 modules can be packed with box.

## SPECIFICATIONS

MODEL	SETT144-585		SETT144-590		SETT144-595		SETT144-600	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Rated Power (P <sub>mp</sub> )	585 Wp	442 Wp	590 Wp	441 Wp	595 Wp	443 Wp	600 Wp	446 Wp
Rated Voltage (V <sub>mp</sub> )	44,60 V	40,98 V	44,69 V	41,18 V	45,10 V	41,26 V	45,5 V	40,42 V
Rated Current (I <sub>mp</sub> )	13,17 A	10,79 A	13,2 A	10,83 A	13,26 A	10,88 A	13,3 A	11,09 A
Open Circuit Voltage (V <sub>oc</sub> )	51,75 V	49,38 V	51,86 V	49,66 V	51,9 V	49,94 V	52,3 V	48,79 V
Short Circuit Current (I <sub>sc</sub> )	13,89 A	11,40 A	13,9 A	11,45 A	13,93 A	11,51 A	13,95 A	11,88 A
Module Efficiency (%)	22,65		22,85		23,05		23,23	
Power Tolerance	0~+ 4.99 W							
Maximum System Voltage	1500V DC (IEC)							
Maximum Series Fuse Rating	30 A							
Operating Temperature	-40/+85 °C							
NOCT (Nominal Operating Cell Temperature)	45°C ± 2°C							
Voltage Temperature Coefficient (β)	-0.25%/°C							
Current Temperature Coefficient (α)	+0.045%/°C							
Power Temperature Coefficient (γ)	-0.30%/°C							

\*STC 1000W/m<sup>2</sup>, Cell Temperature 25°C, AM=1.5

\*NOCT 800 W/m<sup>2</sup>, Ambient Temperature 20°C, AM = 1.5 Wind Speed = 1m/s

## BIFACIAL REAR SIDE POWER GAIN

Maximum Power (Wp)	P <sub>max</sub> Gain	Rated Voltage (V <sub>mp</sub> )	Rated Current (I <sub>mp</sub> )	Open Circuit Voltage (V <sub>oc</sub> )	Short Circuit Current (I <sub>sc</sub> )
615	5%	44,60 V	13,83 A	51,75 V	14,58 A
644	10%	44,60 V	14,49 A	51,75 V	15,28 A
673	15%	44,60 V	15,15 A	51,75 V	15,97 A
702	20%	44,60 V	15,80 A	51,75 V	16,67 A
732	25%	44,60 V	16,46 A	51,75 V	17,36 A
761	30%	44,60 V	17,12 A	51,75 V	18,06 A

\*Electrical Characteristics with different rear side power gain for reference (to 585 Wp STC)

## CERTIFICATES



### HEADQUARTERS

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