

# **Déjà vu**

YOUR PERFECT REPOWERING SOLUTION



**YEARS FLOW, LOYALTY PERSISTS**



LID  
RESISTANT



PID  
RESISTANT



SALT CORROSION  
RESISTANT



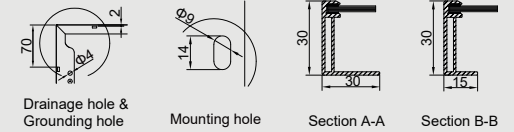
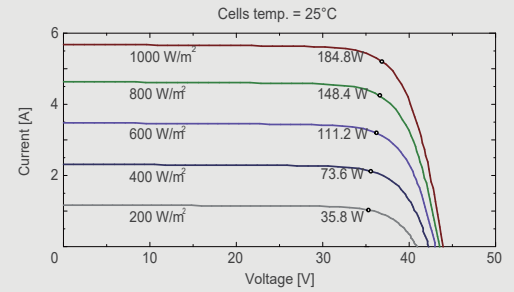
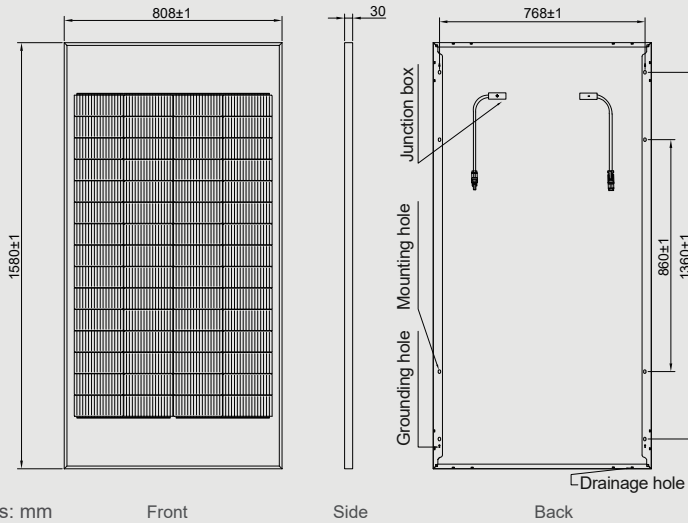
SAND  
RESISTANT



AMMONIA  
RESISTANT



HIGHLY STABLE  
AND TOUGH



### Electrical specifications (STC\*):

Nominal max. power	$P_{max}$ (Wp)	170	175	180
Maximum operating voltage	$V_{MPP}$ (V)	36.37	36.76	37.15
Maximum operating current	$I_{MPP}$ (A)	4.67	4.76	4.84
Open-circuit voltage	$V_{oc}$ (V)	42.25	42.99	43.73
Short-circuit current	$I_{sc}$ (A)	5.50	5.54	5.58
Module efficiency	$\eta$ (%)	13.32	13.71	14.10
Power tolerance	(W)		0~+5	
Maximum system voltage	(V)		1500	
Maximum series fuse rating	(A)		15	

\*STC: Standard Test Conditions (irradiance 1000 W/m<sup>2</sup>, cell temperature 25°C and air mass of AM1.5), measurement tolerance  $P_{max}$ : ±3%

### Electrical specifications (NMOT\*):

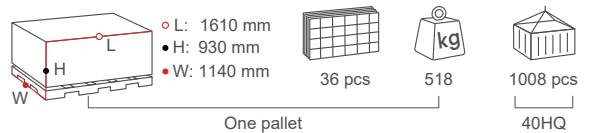
Nominal max. power	$P_{max}$ (Wp)	130	135	140
Maximum operating voltage	$V_{MPP}$ (V)	34.37	35.01	35.71
Maximum operating current	$I_{MPP}$ (A)	3.78	3.86	3.92
Open-circuit voltage	$V_{oc}$ (V)	36.48	37.61	38.72
Short-circuit current	$I_{sc}$ (A)	4.46	4.49	4.52

\*NMOT: Normal Module Operating Temperature (irradiance 800 W/m<sup>2</sup>, ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

### Mechanical and design specification

Cell type	n-Type TOPCon technology
No. of cells	60
Front cover	3.2 mm glass, high transmission, AR coated, tempered
Encapsulation	EVA
Back cover	White backsheet
Junction box	IP67 rated, 2 bypass diodes
Frame	30 mm anodized aluminium alloy
Cable (Including Connector)	1 x 4 mm <sup>2</sup> , 900 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	1580 mm x 808 mm x 30 mm
Weight	13.5 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa or 244 kg/m <sup>2</sup>
Snow load	5400 Pa or 550 kg/m <sup>2</sup>

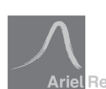
### Packaging information



### Temperature ratings

Operating temperature	-40 to +85°C
Temp. coefficient of $P_{max}$	-0.29 %/°C
Temp. coefficient of $V_{oc}$	-0.25 %/°C
Temp. coefficient of $I_{sc}$	0.046 %/°C
Nom. operating cell temp. NOCT	42 ± 2°C

### SYSTEM AND PRODUCT CERTIFICATIONS



IEC 61215 IEC 61730  
Regular Production Surveillance  
www.tuv.com

IEC 62716 (Ammonia corrosion)  
IEC 61701 (Salt mist corrosion)  
IEC 60068 (Sand and dust)  
IEC 62804 (PID resistance)

The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices. The specifications included in the datasheet are subject to change without prior notice.



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