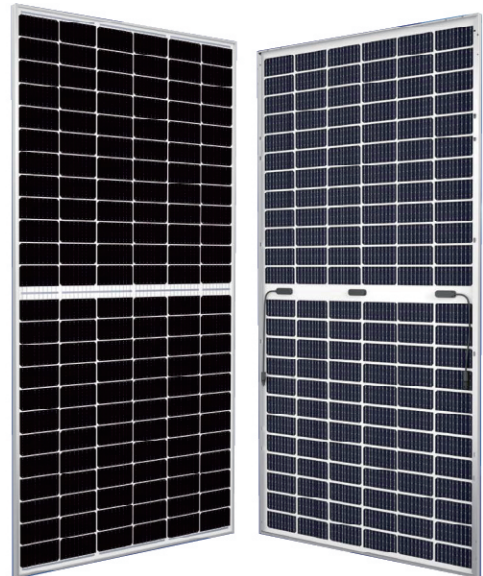
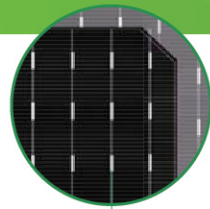


GES-M772BH-555TW/TB

BIFACIAL MODULE WITH TRANSPARENT BACKSHEET

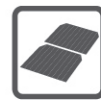


535-555 WATTS
535TW/TB 540TW/TB 545TW/TB 550TW/TB 555TW/TB



Bifacial Technology

Key Features



Multi Busbar Technology

Better light trapping and current collection to improve module power output and reliability.



PID Resistance

Excellent Anti-PID performance guarantee via optimized mass-production process and materials control.



Light-weight design

Light-weight design using transparent backsheet for easy installation and low BOS cost.



Enhanced Mechanical Load

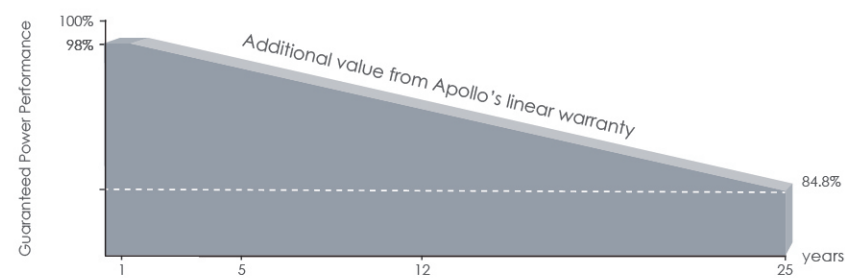
Certified to withstand: wind load (2400 Pascal) and snow load (5400 Pascal).



Higher Power Output

Bifaciality generally allows 5-25% more power output, bringing significantly lower LCOE and higher IRR.

Linear Performance Warranty



0.55% Annual Degradation Over 25 years



Guarantee on product material and workmanship

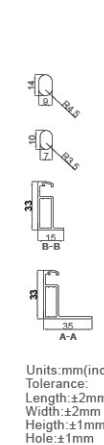


linear power output warranty



Intertek

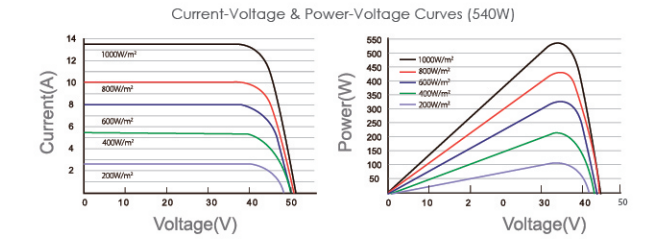
Engineering Drawings



Units: mm (inch)
Tolerance:
Length: ±2mm
Width: ±2mm
Height: ±1mm
Hole: ±1mm

* The above drawing is a graphical representation of the product.

Electrical Performance & Temperature Dependence



Mechanical Characteristics

Cell Type	Mono cell (182x91mm)
No. of cells	144 (72*2) pcs
Dimensions	2279x1134x33mm
Weight	27.5 kg
Front Glass	3.2mm, AR coated tempered glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 diodes
Connector	MC4 compatible
Length Of Cable	4.0mm ² , 300mm, or can be customized
Fire Type(Rating)	UL Type 1 / IEC Class C

Specifications

Module Type	GES-M772BH535TW/TB	GES-M772BH540TW/TB	GES-M772BH545TW/TB	GES-M772BH550TW/TB	GES-M772BH555TW/TB
Electrical Properties STC*					
Maximum Power (Pmax)	535W	540W	545W	550W	555W
Maximum Power Voltage (Vmp)	41.47	41.64	41.80	41.96	42.11
Maximum Power Current (Imp)	12.91	12.97	13.04	13.11	13.18
Open-circuit Voltage (Voc)	49.45	49.60	49.75	49.90	50.05
Short-circuit Current (Isc)	13.79	13.86	13.93	14.00	14.07
Module Efficiency STC (%)	20.7%	20.9%	21.1%	21.3%	21.5%
Operating Temperature(°C)	-40°C~+85°C				
Maximum system voltage	1500VDC (IEC)				
Maximum series fuse rating	30A				
Power tolerance	0~+3%				
Temperature coefficients of Pmax	-0.339%/°C				
Temperature coefficients of Voc	-0.251%/°C				
Temperature coefficients of Isc	0.046%/°C				
Nominal operating cell temperature (NOCT)	45±2°C				
Refer. Bifacial Factor	70±10%				

*STC (Standard Test Condition): Irradiance 1000W/m², Cell Temperature 25°C, AM 1.5

Electrical Properties NOCT*	535W	540W	545W	550W	555W
Peak Power (Pmax / W)	401	405	409	413	417
MPP Voltage (Vmp / V)	37.24	37.30	37.36	37.42	37.48
MPP Current (Imp / A)	10.77	10.86	10.94	11.03	11.12
Open Circuit Voltage (Voc / V)	46.24	46.28	46.32	46.36	46.40
Short Circuit Current (Isc / A)	11.38	11.46	11.54	11.62	11.70

*NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, AM 1.5, Wind Speed 1m/s

Bifacial Output-Rearside(GES-M772BH545TW)	10%	15%	20%	25%
Peak Power (Pmax / W)	600	627	654	681
MPP Voltage (Vmp / V)	41.81	41.80	41.80	41.80
MPP Current (Imp / A)	14.34	14.99	15.65	16.30
Open Circuit Voltage (Voc / V)	49.75	49.75	49.75	49.75
Short Circuit Current (Isc / A)	15.15	15.85	16.54	17.22

Packaging	Pallet 33pcs / 40'HC / 660pcs	Weight of packing(kg) : 949.5
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DATASHEET IS SUBJECT TO CHANGE AT ANY TIME WITHOUT APPROVAL
The specifications and key features in this datasheet may deviate slightly from our actual products due to ongoing innovation and product improvement. GES reserves the right to adjust this datasheet at any time without prior written notice December 26 th, 2022