

# Full-cell Mono PERC GM-60 Series



High Efficiency Monocrystalline Cell Solar Module  
with Perc Technology  
**300-320W**



### Higher Module Efficiency

10% more power than standard modules, due to advanced the PERC technology



### More Energy Yield

Better temperature coefficient, helps boost energy yield



### Approved Technology

Approved practice for different operating conditions



### Lower Operation Temperature

Less hot spot heating risk, make the module more reliable

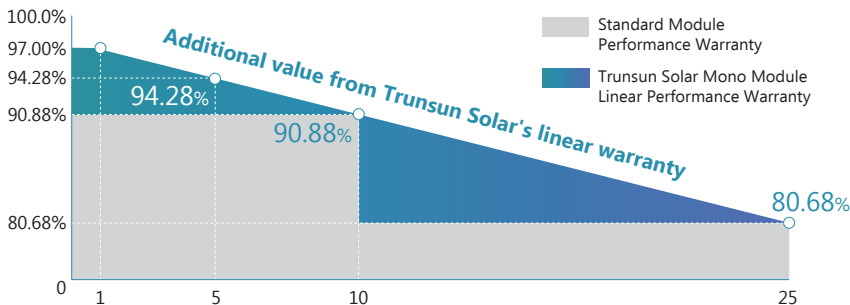


### Aesthetic Design

Uniformity appearance, aesthetic design with black frame option



## LINEAR PERFORMANCE WARRANTY



**10years** Product Material & Workmanship

**25years** Linear Performance Warranty

# Full-cell Mono PERC GM-60 Series

## High Efficiency Monocrystalline Solar Module with Perc Technology

ELECTRICAL DATA @ STC*		GM300-60	GM305-60	GM310-60	GM315-60	GM320-60
Peak Power (Pmax)	(W)	300	305	310	315	320
Maximum Power Voltage (Vmp)	(V)	32.95	33.23	33.52	33.80	34.08
Maximum Power Current (Imp)	(A)	9.11	9.18	9.25	9.32	9.39
Open-circuit Voltage (Voc)	(V)	39.88	40.16	40.44	40.72	41.00
Short-circuit Current (Isc)	(A)	9.60	9.68	9.76	9.84	9.91
Module Efficiency	(%)	18.46	18.77	19.07	19.38	19.69
Operating Temperature		-40°C~+85°C				
Maximum System Voltage		1000V				
Maximum Series Fuse Rating		20A				
Fire Class		Class C				
Power Sorting		0~+4.99W				

\*STC (Standard Test Condition): Irradiance 1000W/ m<sup>2</sup>, Module Temperature 25°C, AM 1.5

ELECTRICAL DATA @ NMOT*		GM300-60	GM305-60	GM310-60	GM315-60	GM320-60
Peak Power (Pmax)	(W)	222	226	230	234	239
MPP Voltage (Vmp)	(V)	30.34	30.60	30.87	31.12	31.73
MPP Current (Imp)	(A)	7.33	7.39	7.45	7.50	7.52
Open Circuit Voltage (Voc)	(V)	37.62	37.88	38.15	38.41	38.84
Short Circuit Current (Isc)	(A)	7.75	7.82	7.88	7.95	8.00

\*Under Nominal Module Operating Temperature (NMOT), Irradiance of 800W/ m<sup>2</sup>, Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

TEMPERATURE CHARACTERISTICS		
Temperature coefficient of Pmax		-0.40%/°C
Temperature coefficient of Voc		-0.31%/°C
Temperature coefficient of Isc		0.05%/°C
NMOT		42±3°C

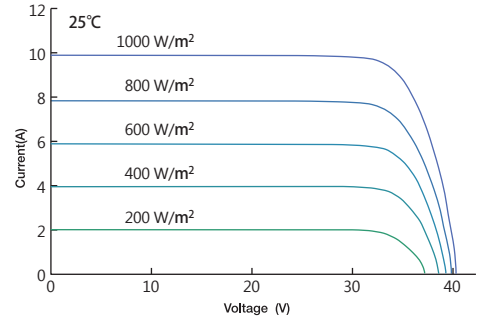
MECHANICAL DATA		
Cell Type		Mono-Crystalline, 6' inch
Cell Arrangement		60pcs (6×10)
Dimension (L×W×H)		1640×991×35mm
Weight		18.2kg
Front Cover		3.2mm Tempered Glass
Frame		Anodized Aluminium Alloy
Junction Box		IP67, 3 Bypass Diodes
Cable Type		4mm <sup>2</sup>
Length of Cable		1000mm
Connector		PV Connector: Renhe 05-6

PACKING MANNER		
Packing Type		40HQ
Piece/Pallet		30
Pallet/Container		28
Piece/Container		840

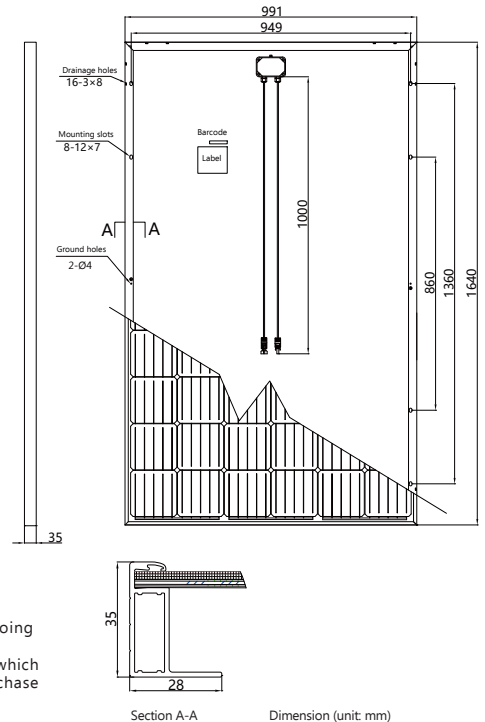
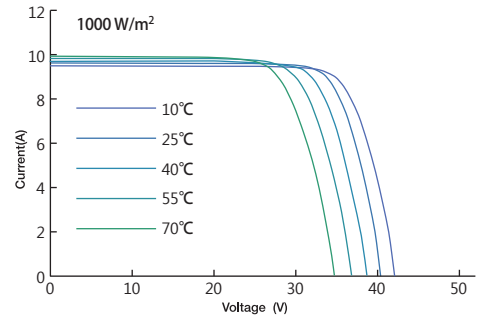
\*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, Grand Group Australia PTY LTD. reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

- \*Power measurement tolerance: ±3%
- \*Voc measurement tolerance: ±3%
- \*Isc measurement tolerance: ±3%
- \*All the modules are produced in China and shipped to Australia

Current-Voltage Curve under different irradiance



Current-Voltage Curve under different working temperatures



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