MONO

POLY

PERC Technology

Half-cell Mono PERC
GHM-120 Series

High Efficiency Monocrystalline Half-cut Cell Solar Module with Perc Technology

315-335W

Higher Module Efficiency
Brings 5-10W power gain due to half-cut production system

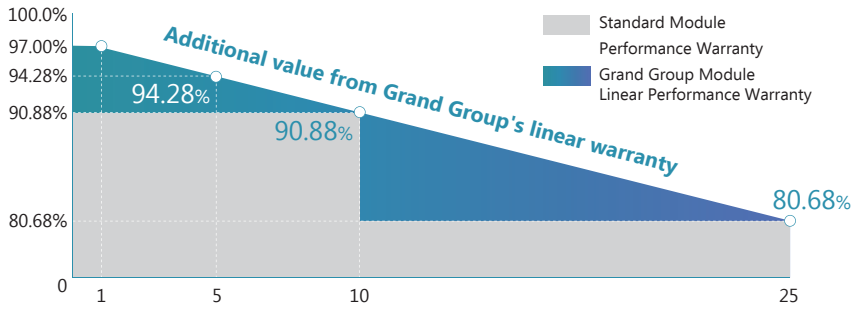
More Energy Yield
Lower NMOT and better temperature coefficient by lower cell series resistance, helps boost energy yield

Lower Operating Temperature, More Reliable
Lower operating temperature and hot spot temperature during the sunny day, making the module prevail during the sunny days

Better Shading Tolerance
Thanks to Paralleling circuit design, more power generated under shading condition and during morning & evening time

Better Micro Crack Resistance
Minimize the impact by micro crack by limiting cell damage and potentially extending area by half-cut module architecture

LINEAR PERFORMANCE WARRANTY



10years Product Material & Workmanship

25years Linear Performance Warranty

PERC Technology

Half-cell Mono PERC GHM-120 Series

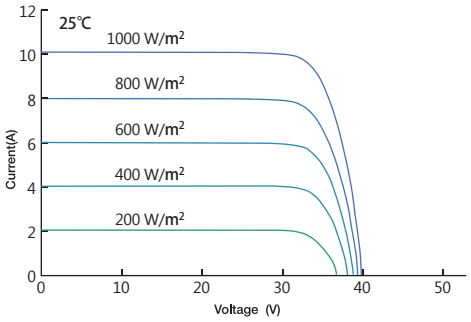
High Efficiency Monocrystalline
Half-cut Cell Solar Module with Perc Technology

ELECTRICAL DATA @ STC*

		GHM315-120	GHM320-120	GHM325-120	GHM330-120	GHM335-120
Peak Power (Pmax) Maximum	(W)	315	320	325	330	335
Power Voltage (Vmp) Maximum	(V)	33.80	34.08	34.36	34.63	34.90
Power Current (Imp) Open-	(A)	9.32	9.39	9.46	9.53	9.60
circuit Voltage (Voc) Short-	(V)	40.72	41.00	41.26	41.53	41.78
circuit Current (Isc) Module	(A)	9.84	9.91	9.99	10.08	10.16
Efficiency	(%)	18.92	19.22	19.52	19.82	20.12
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/m², Module Temperature 25℃, AM 1.5

Current-Voltage Curve under different irradiance

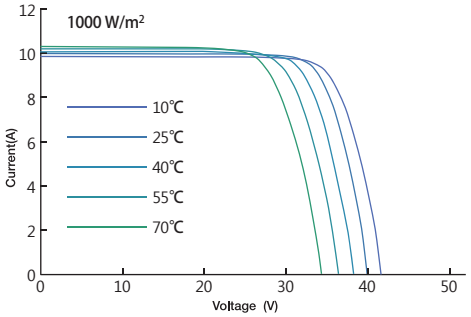


ELECTRICAL DATA @ NMOT*

Peak Power (Pmax)	(W)	234	237	242	246	250
MPP Voltage (Vmp)	(V)	31.12	31.38	31.99	32.24	32.49
MPP Current (Imp)	(A)	7.50	7.56	7.58	7.63	7.69
Open Circuit Voltage (Voc)	(V)	38.41	38.67	39.09	39.34	39.58
Short Circuit Current (Isc)	(A)	7.95	8.00	8.06	8.13	8.20

*Under Nominal Module Operating Temperature (NMOT), Irradiance of 800W/ ㎡ , Spectrum AM 1.5, Ambient Temperature 20℃, Wind Speed 1m/s

Current-Voltage Curve under different working temperatures



TEMPERATURE CHARACTERISTICS

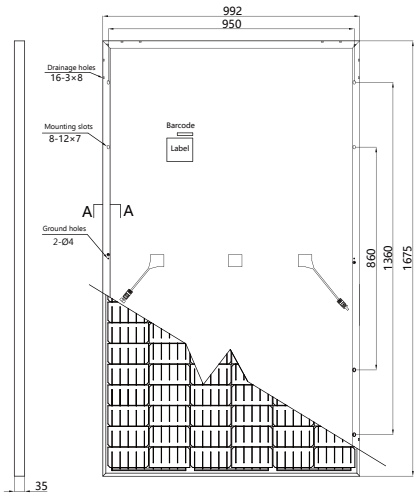
Temperature coefficient of Pmax	-0.38%/℃
Temperature coefficient of Voc	-0.31%/℃
Temperature coefficient of Isc	0.05%/℃
NMOT	41±3℃

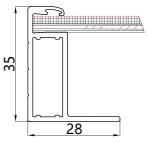
MECHNICAL DATA

Cell Type	Mono-Crystalline, 156.75×78.38mm
Cell Arrangement	120pcs (2×(6×10))
Dimension (L×W×H)	1675×992×35mm
Weight	19kg
Front Cover	3.2mm Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP67, 3 Bypass Diodes
Cable Type	4mm²
Length of Cable	1160mm
Connector	PV Connector: Renhe 05-6

PACKING MANNER

Packing Type	40HQ
Piece/Pallet	30
Pallet/Container	26
Piece/Container	780





Section A-A

Dimension (unit: mm)

*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

Grand Group Australia PTY LTD

Tel: 1800 961 712

Web:www.grandgroupaustralia.com