

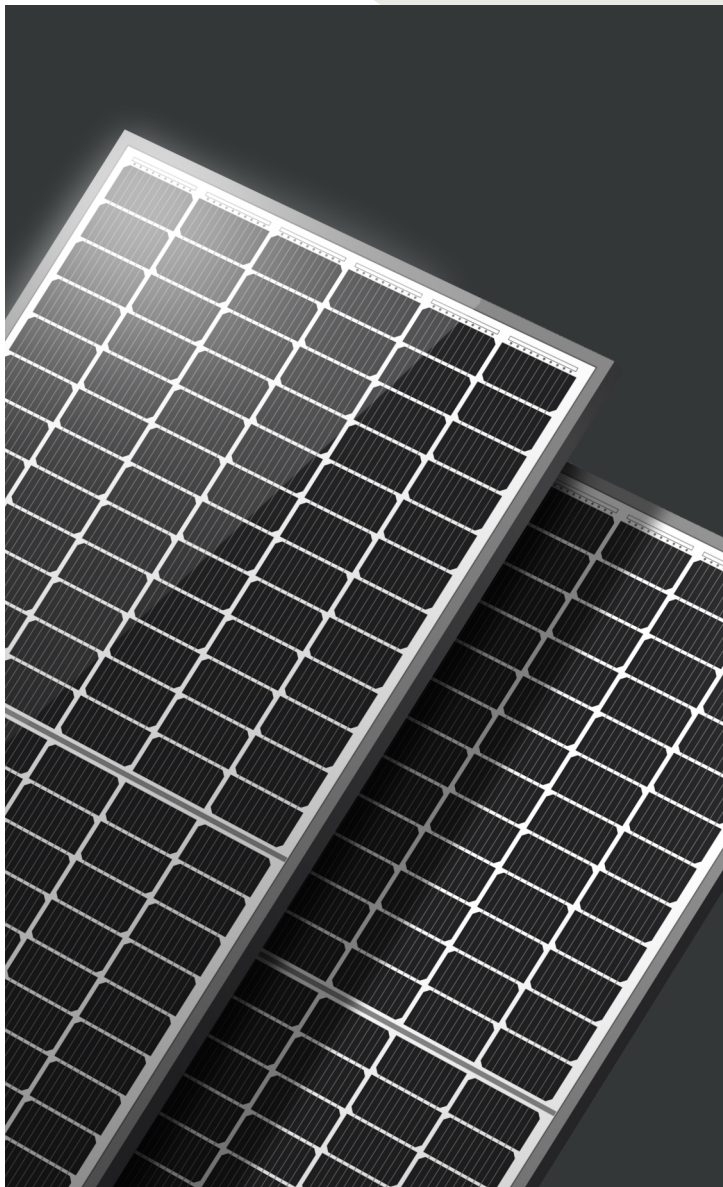
Reap the benefits of increased power generation in less space with



MAGNUS

S E R I E S

MONO-FACIAL



AR Coated Tempered Glass Anti-Reflective Module Surface



Excellent Module Efficiency



Pre and Post EL Checking to ensure defect free module



Ip68 Junction Box For High Waterproof level



LCOE Is Cut Back by using M10 size solar cell with adding more power output than lower size cell module



Field Reliability is improved due to multiple contact points on the cell which lowers the cell stress during module fabrication



Cylindrical tabbing wire is used to reduce the shadow on cell active area



Ensure safety parameters through Safety test



Excellent module conversion efficiency of up to 21.3%

APPLICATIONS



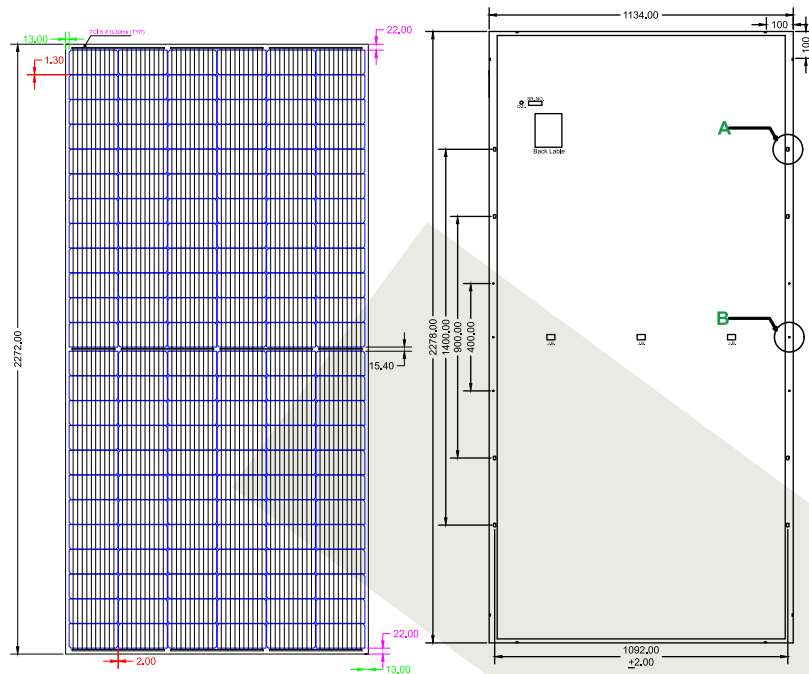
On-grid large scale utility systems



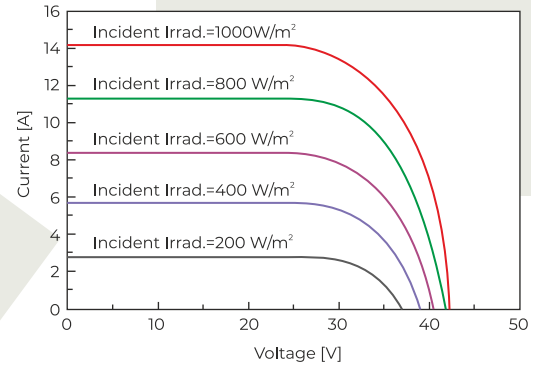
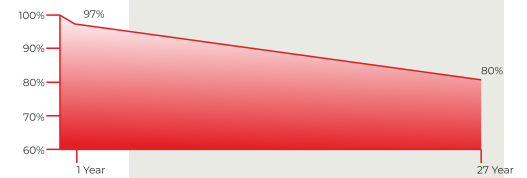
On-grid rooftop industrial and commercial systems



Rooftop residential systems



Performance Warranty



MODULE DATASHEET 144 CUT- CELL MONO

ELECTRICAL DATA AS PER STC

MODEL NAME	SS72C525M	SS72C530M	SS72C535M	SS72C540M	SS72C545M	SS72C550M
MAXIMUM VOLTAGE V_{mp} (V)	43.32	43.5	43.6	43.8	43.9	44
MAXIMUM CURRENT I_{mp} (A)	12.12	12.19	12.28	12.35	12.42	12.51
OPEN CIRCUIT VOLTAGE V_{oc} (V)	49.23	49.3	49.37	49.44	49.51	49.6
SHORT CIRCUIT CURRENT I_{sc} (A)	13.37	13.38	13.41	13.44	13.49	13.56
MODULE EFFICIENCY (%)	20.4	20.53	20.73	20.92	21.1	21.3

NOTE:PARAMETERS UNDER STANDARD TEST CONDITIONS(STC) , PARAMETERS HAVE A TOLERANCE OF +&-2%.

ELECTRICAL DATA NOCT

Power (W)	387	393	397	399	402	407
$V@P_{max}$ (V)	38.2	38.3	38.4	38.5	38.6	38.7
$I@P_{max}$ (A)	10.14	10.29	10.34	10.37	10.43	10.52
V_{oc} (V)	45.7	45.9	46	46.1	46.2	46.3
I_{sc} (A)	10.83	10.89	10.96	11.3	11.9	11.15

THERMAL CHARACTERISTICS

Temperature coefficient of Current (I_{sc}), α (%/°C)	0.05%
Temperature coefficient of Voltage (V_{oc}), β (%/°C)	-0.27%
Temperature coefficient of Power (P_m), γ (%/°C)	-0.35%
NOCT (°C)	45 + & - 2
Operating temperature range (°C)	-40 to 85

MECHANICAL CHARACTERISTICS

Solar cells	182mmX93mm Monocrystalline Silicon(PERC), M10
Encapsulation	Ultra - clear PID free EVA (Ethylene-Vinyl-Acetate),UV and Weather stable
Backside	UV protected reflective
Frame	Silver Anodized Aluminium Alloy
Front Glass	3.2 mm, High Transmission, AR Coated Tempered Glass
Dimensions	(L) 2278 mm x (W) 1133 mm x (H) 35 mm
Weight	27.5KG
Junction Box	IP 68 certified, 3 diodes, Split junction box
Series Fuse Rating	25A
Cable	Solar cable 400 mm length, 4 mm ²
Connectors	MC4 Type
Application Class	Class A
Electrical Safety	Class II
Fire Safety	Class C (Type 1)
Mechanical load	Snow load 5400 Pa, Wind load 2400 Pa
Maximum System Voltage	1500V