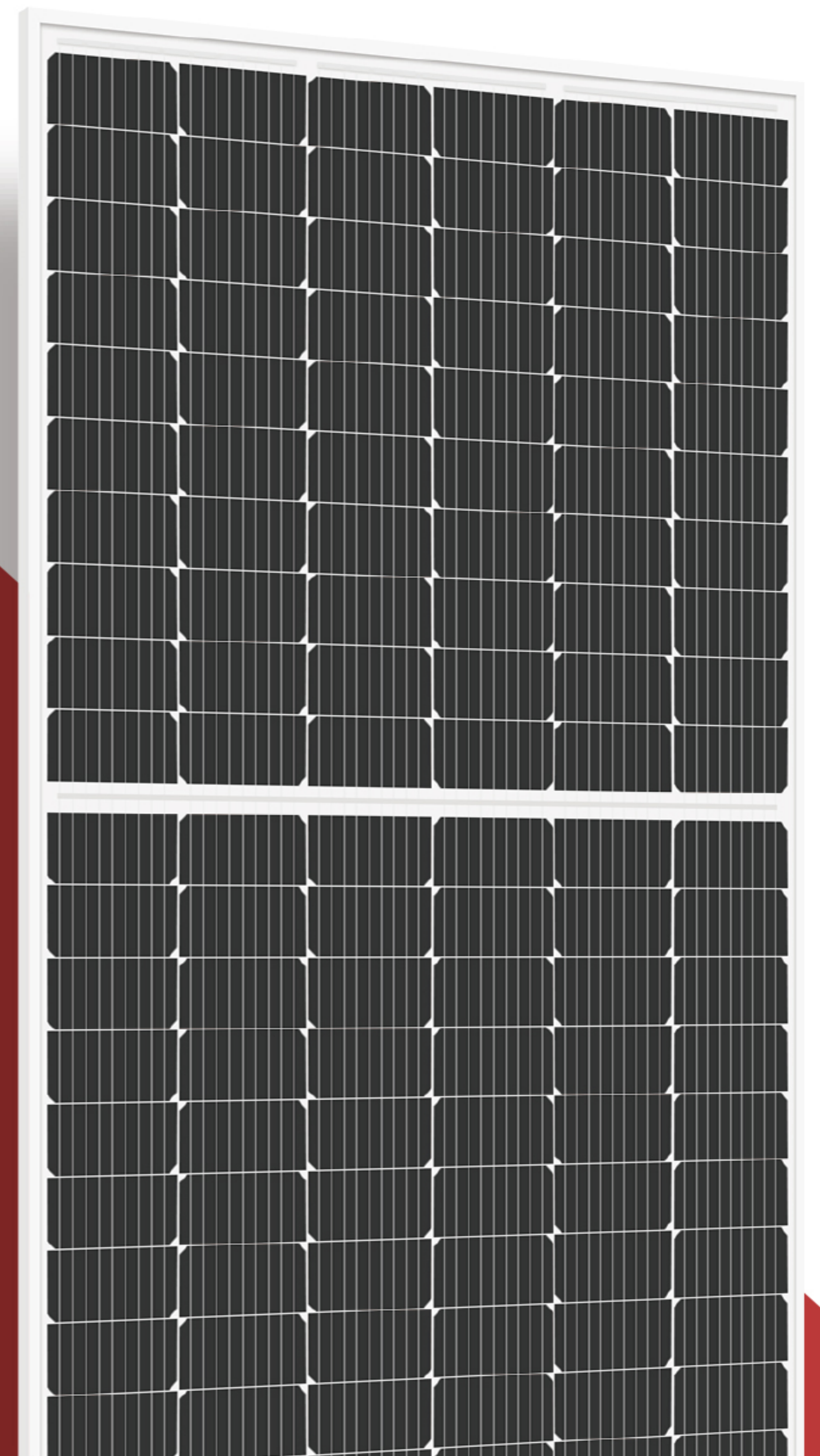
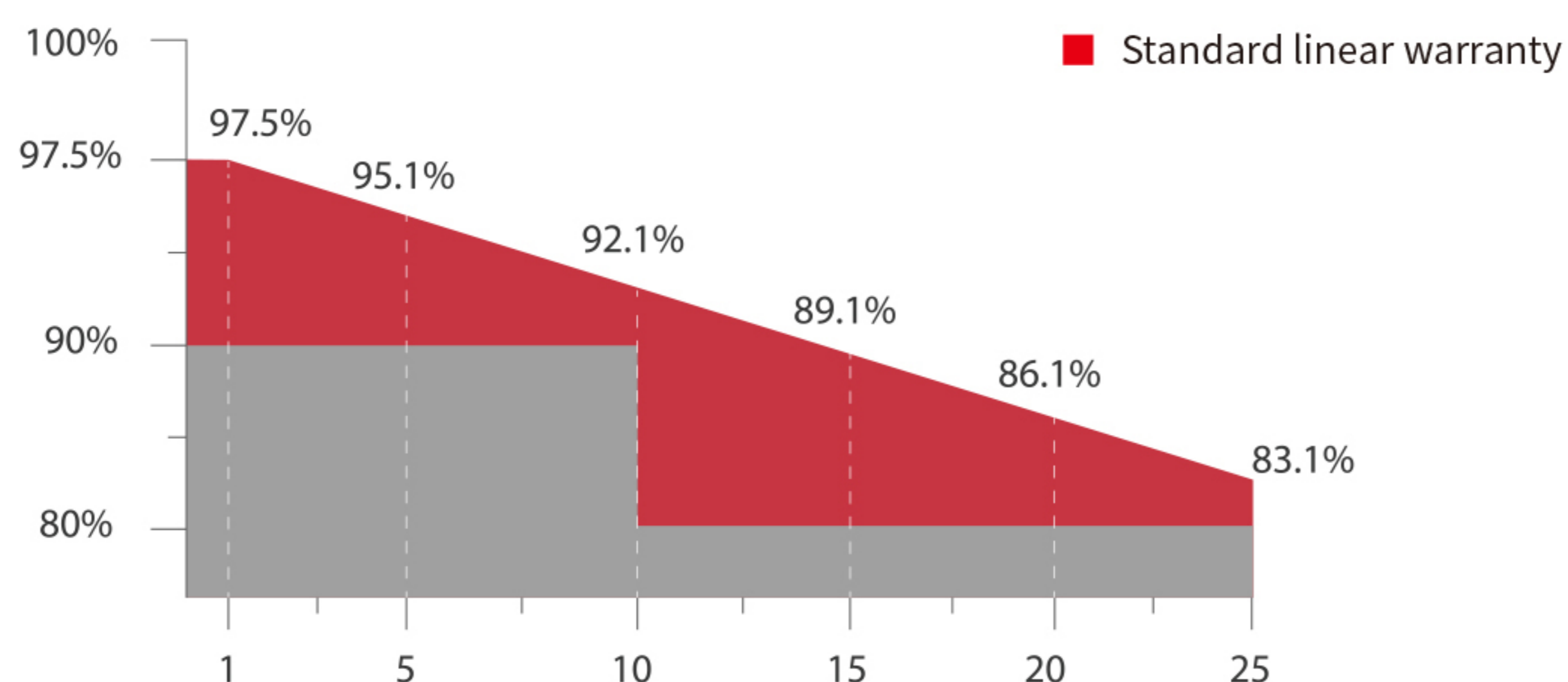


435-455W Mono

Suitable for ground power plants and large projects.
 182mm silicon wafers with multi-busbar and half-cut cell technologies. Resistant to harsh environments such as salt, ammonia, sand, high temperature and high humidity areas
 High module quality ensures long-term reliability.



Linear performance Warranty



Linear performance warranty



Product warranty

Comprehensive Certificates

CERTIFICATION

- IEC61215/IEC61730
- ISO9001:Quality Management System
- ISO14001:Environmental Management System
- ISO45001:Occupational Health and Safety Management System



Electrical Specification (STC*)

Maximum Power	P _{max} (W)	435	440	445	450	455
Maximum Power Voltage	V _{mp} (V)	34.16	34.21	34.26	34.31	34.36
Maximum Power Current	I _{mp} (A)	12.74	12.87	12.99	13.12	13.25
Open Circuit Voltage	V _{oc} (V)	41.38	41.44	41.50	41.56	41.62
Short Circuit Current	I _{sc} (A)	13.41	13.55	13.67	13.81	13.95
Module Efficiency	(%)	20.2	20.4	20.6	20.8	21.0
Power Output Tolerance	(W)					0~+5

* Irradiance 1000W/m², Module Temperature 25°C, Air Mass 1.5

Electrical Specification (NOCT*)

Maximum Power	P _{max} (W)	323	327	331	335	339
Maximum Power Voltage	V _{mp} (V)	31.78	31.83	31.87	31.92	31.97
Maximum Power Current	I _{mp} (A)	10.19	10.29	10.39	10.49	10.60
Open Circuit Voltage	V _{oc} (V)	39.06	39.12	39.17	39.23	39.29
Short Circuit Current	I _{sc} (A)	10.83	10.94	11.04	11.15	11.26

* Irradiance 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Mechanical Data

Number of Cells	120 Cells (6×20)
Dimensions of Module L*W*H (mm)	1908×1134×35mm [75.11×44.64×1.38 inches]
Weight (kg)	24.0 kg
Glass	High transparency solar glass 3.2mm [0.13 inches]
Backsheet	White
Frame	Silver, anodized aluminium alloy
J-Box	IP68 Rated
Cable	4.0mm ² [0.006 inches ²], 300mm [11.8 inches]
Number of diodes	3
Wind/ Snow Load	2400Pa/ 5400Pa*
Connector	MC Compatible

* For more details please check the installation manual

Temperature Ratings

Nominal Operating Cell Temperature (NOCT)	44±2°C
Temperature Coefficient of I _{sc}	+0.048%/°C
Temperature Coefficient of V _{oc}	-0.270%/°C
Temperature Coefficient of P _{MAX}	-0.350%/°C

Maximum Ratings

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC -(H)
Max Series Fuse Rating	25A

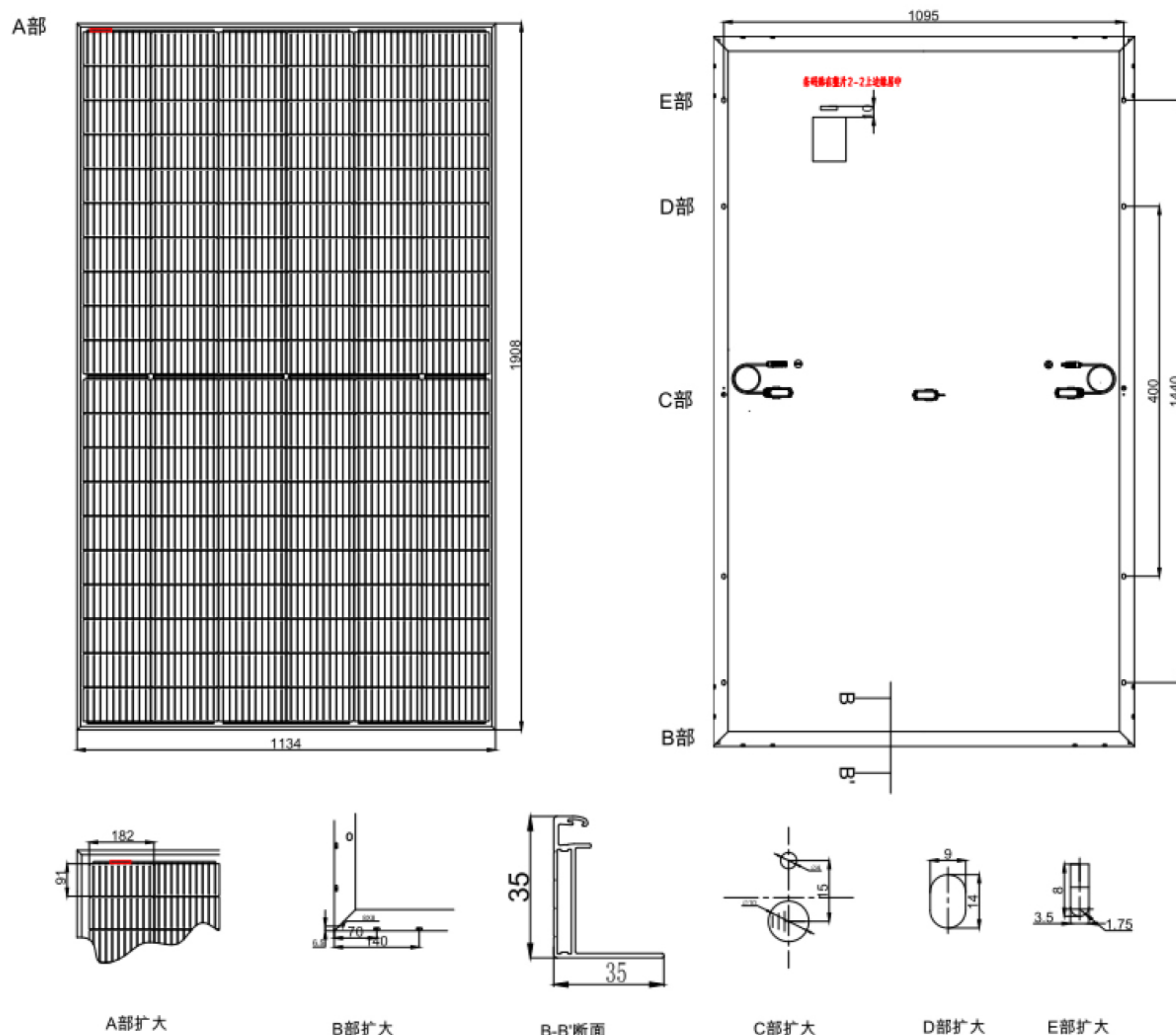
Packaging Configuration

Module per box	31 pieces
Module per 40' container	744 pieces

Optional

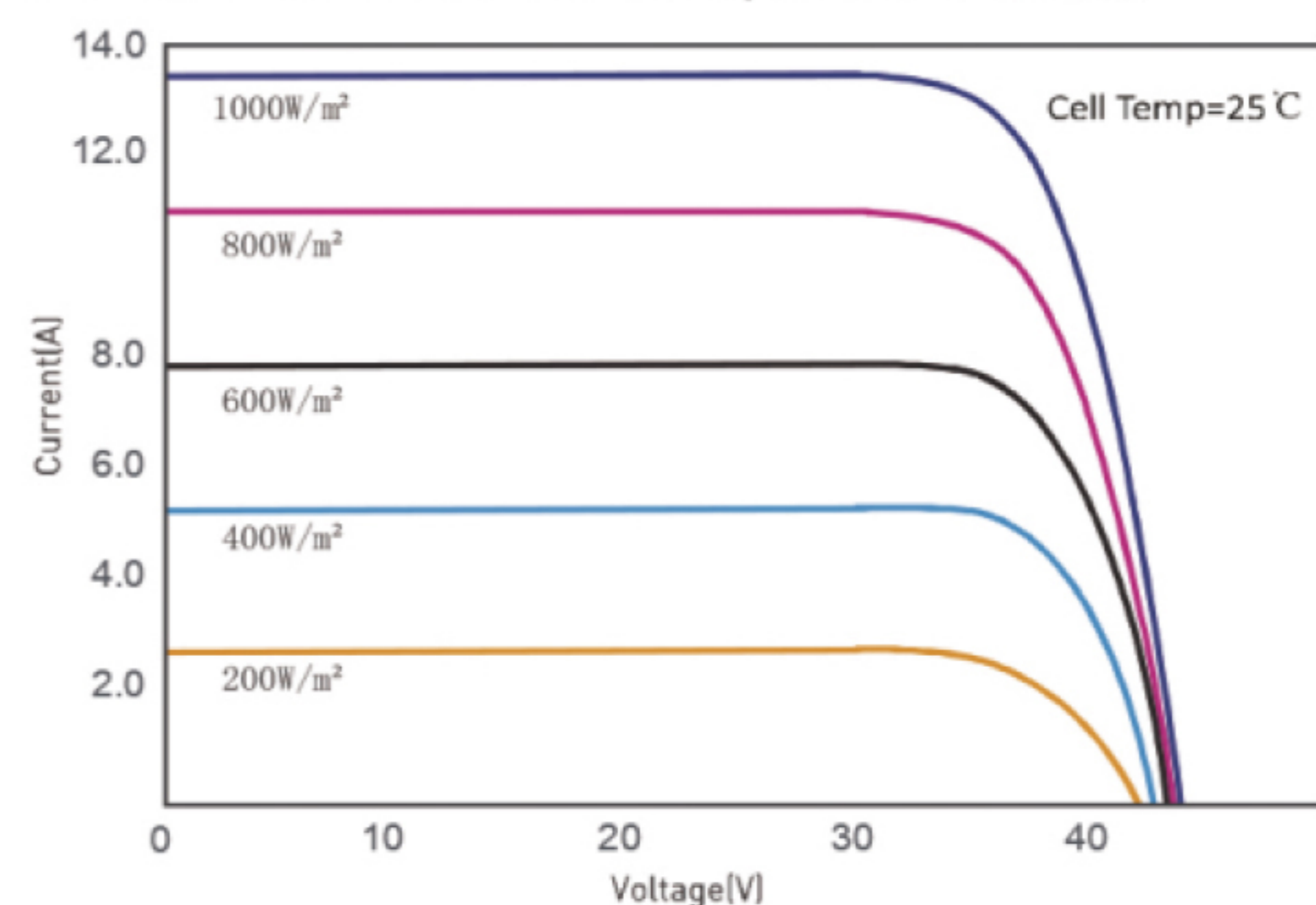
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ENGINEERING DRAWINGS



IV CURVES

I-V Curve at Different Temperature (455W)



I-V/P-V Curve at Different Irradiation (455W)

