



DREAMAX^{series} VL-660W-210M/132

Monocrystalline PERC Module

2384×1303×35

Module dimensions (mm)

210×105

Cell size (mm)

132 CELL

Mono PERC module

635-660Wp

Power output

1500V DC

Max. system voltage

21.25%

Max. efficiency

KEY FEATURES



Higher Power Output

Module power increases by 5-25% generally, bringing significantly lower LCOE and higher IRR. 0-5w positive tolerance output warranty.



Most Advanced Production Technologies

Optimize module current profile, improve system-side power generation.



Multi Busbar Technology

By improving optical utilization rate, power increases by 2~3% and efficiency increases by 0.4~0.6%.



PID Resistance

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



Low-light Performance

Excellent performance in low light.



Enhanced Mechanical Load

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



Durability Against Extreme Environmental Conditions

High salt mist and ammonia resistance certified by TUV NORD.



EL Full Inspection

Dual stage 100% EL Inspection warranting defect-free product.



Comprehensive Products and System Certificates

IEC61215/IEC61730/IEC61701/IEC62716

ISO 9001: Quality Management System

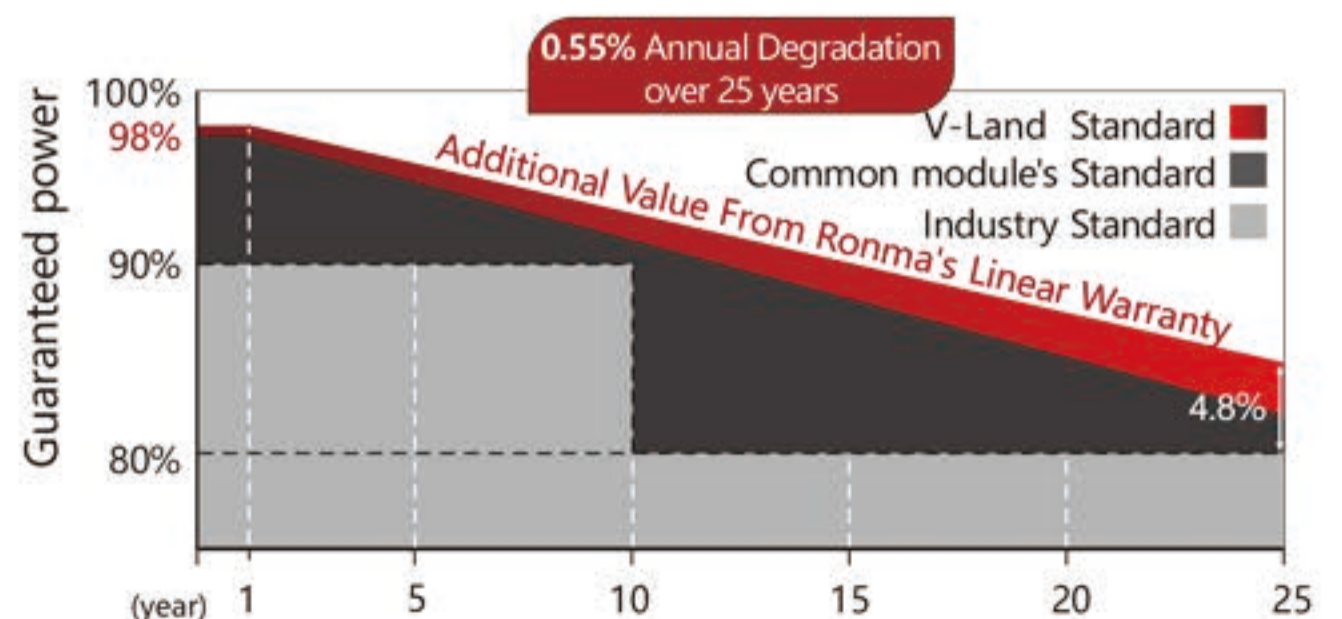
ISO 14001: Environmental Management System

ISO14064: Greenhouse Gases Emissions Verification

OHSAS 18001: Occupational Health and Safety Management System

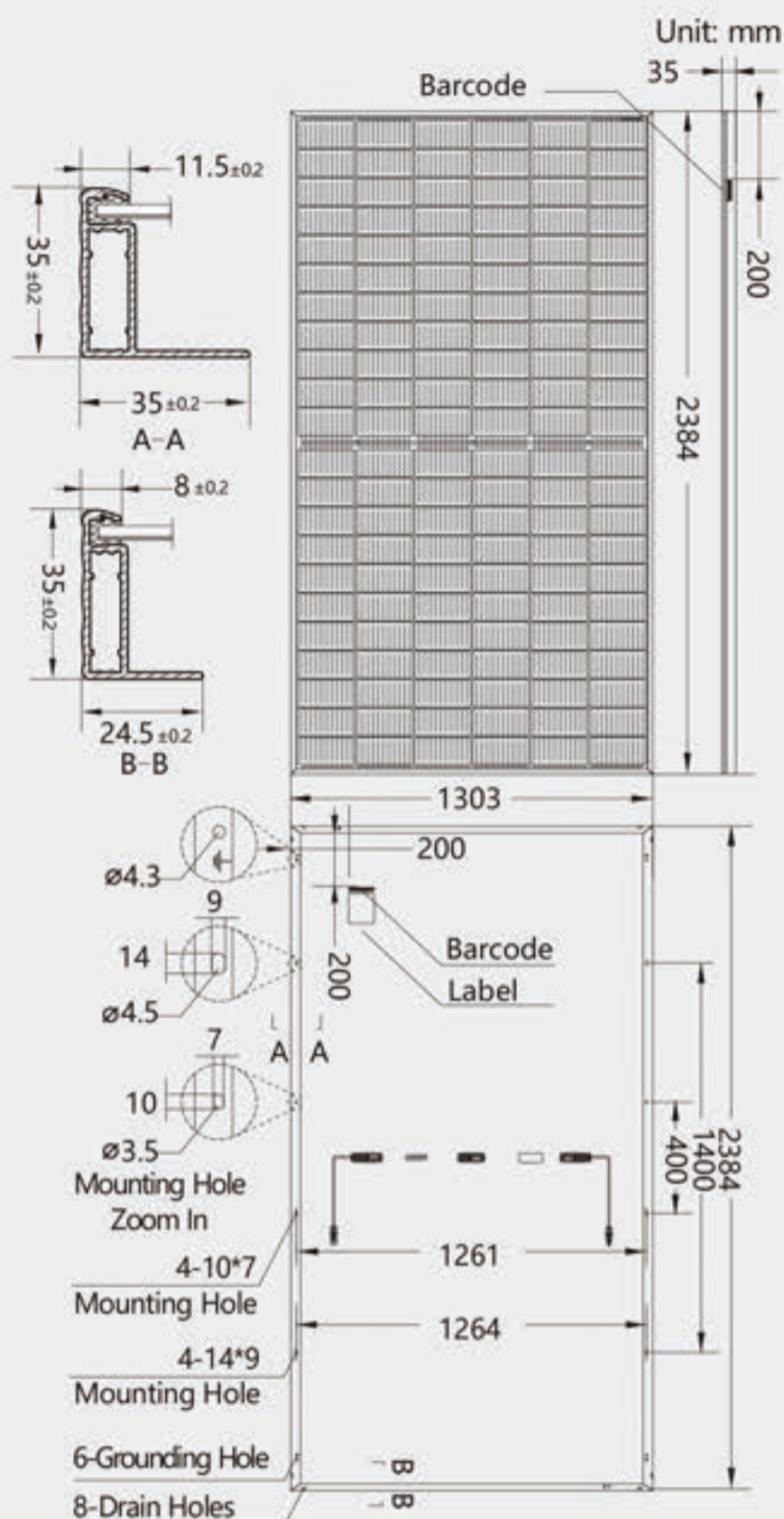
LINEAR PERFORMANCE WARRANTY

12-year product warranty / 25-year linear power warranty



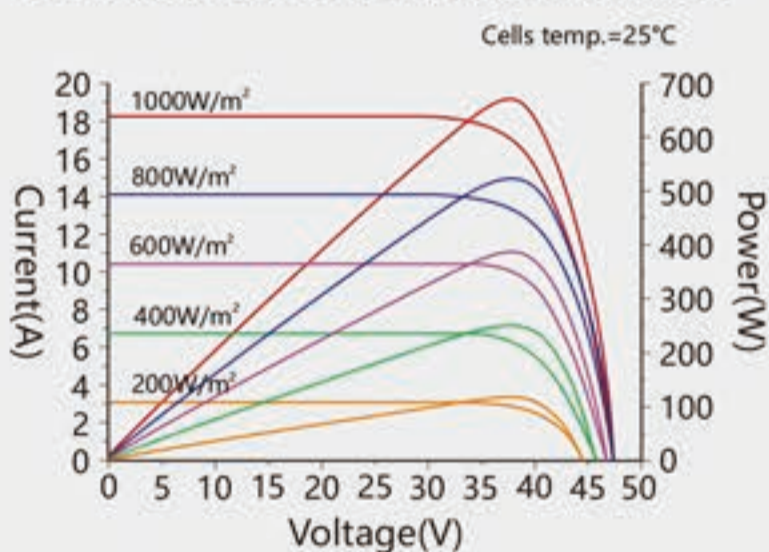


Dimensions of PV Module

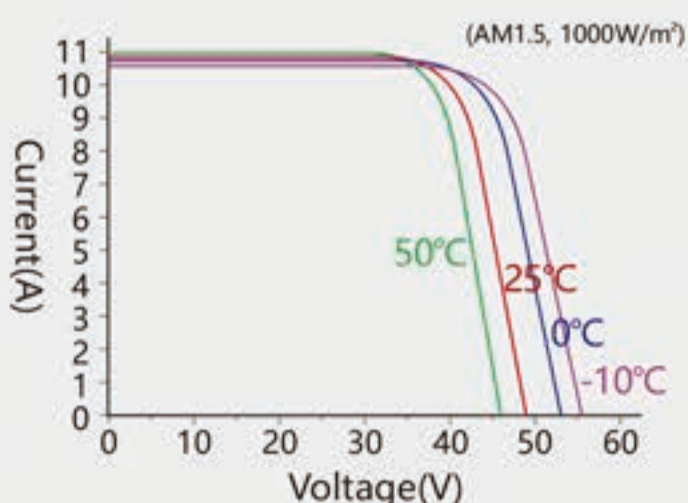


VL-660W-210M/132

I-V characteristics at different irradiances



I-V characteristics at different temperatures



ELECTRICAL DATA(STC)

Model Number	VL-635W-210M/132	VL-640W-210M/132	VL-645W-210M/132	VL-650W-210M/132	VL-655W-210M/132	VL-660W-210M/132
Rated Power in Watts-Pmax(Wp)	635	640	645	650	655	660
Open Circuit Voltage-Voc(V)	44.90	45.10	45.30	45.50	45.70	45.90
Short Circuit Current-Isc(A)	18.16	18.21	18.26	18.31	18.36	18.42
Max. Power Voltage-Vmpp(V)	37.10	37.30	37.50	37.70	37.90	38.10
Max. Power Current-Imp(A)	17.12	17.06	17.21	17.25	17.30	17.34
Module Efficiency(%)	20.44	20.60	20.76	20.92	21.09	21.25

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM 1.5,
 NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Size	210mm×105mm
Cell Configuration	132 cells (6×11+6×11)
Module Dimensions	2384×1303×35mm
Weight	34.5kg
Glass	High Transmission, Low Iron, Tempered ARC Glass 3.2mm
Back Sheet	White
Frame	Anodized Aluminium Alloy type 6005 T6, Silver... Color
J-box	PV-RM01, IP68, 1500V DC, 3 Diodes
Cables	4.0mm ² , (+) 300mm, (-) 300mm (Connector Included)
Connector	MC4-compatible

TEMPERATURE & MAXIMUM RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C ± 2°C
Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	0.04%/°C
Temperature Coefficient of Pmax	-0.36%/°C
Operational Temperature	-40°C ~ +85°C
Max. System Voltage	1500V DC
Max. Series Fuse Rating	30A

PACKAGING CONFIGURATION

	40ft(HQ)
Number of Modules Per Container	279
Number of Modules Per Pallet	31
Number of Pallets Per Container	9
Packaging Box Dimensions (l×w×h) (mm)	2410×1135×1445
Box Gross Weight (kg)	1102