

N-type Bifacial TOPCon

VE-610~630-78M

610~630W

- High Efficiency
- Lower temperature coefficient increases energy yield in hot climate
- Excellent anti-LeTID & anti-PID performance. Low power degradation, high energy yield
- Up to 85% Power Bifaciality, more power from the back side
- Lower LCOE & system cost
- Minimizes micro-crack impacts
- Heavy snow load up to 5400 Pa, wind load up to 2400 Pa*

WARRANTY

12 YEARS

Guarantee on product material and workmanship

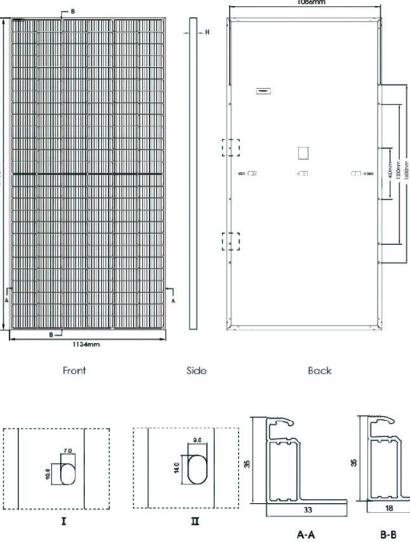
30 YEARS

Linear power output warranty

CERTIFICATION

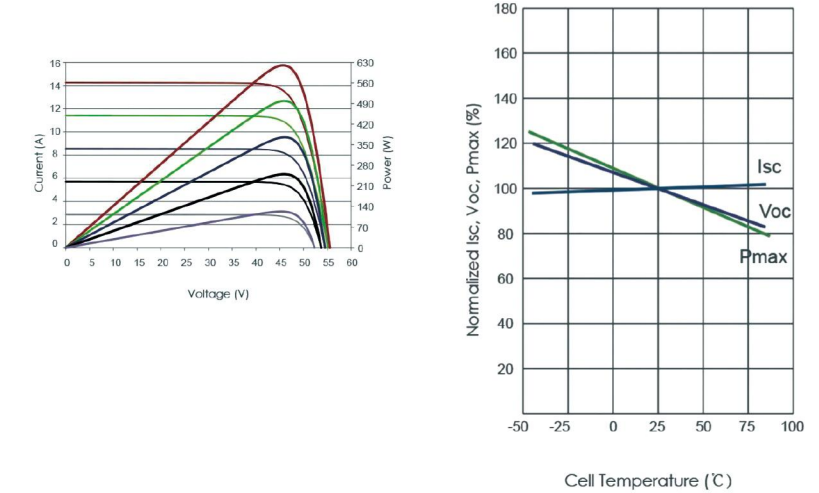
- ISO 9001: 2015/quality management system
- ISO 14001: 2015/environment management system
- ISO 45001: 2018/occupation health safety management system

ENGINEERING DRAWING (mm)



I-V CURVES

Current-Voltage & Power-VoltageCurves(575W) Temperature Dependence of Isc,Voc,Pmax



ELECTRICAL DATA | STC*

Module Type		VE-610	VE-615	VE-620	VE-625	VE-630
Maximum Power	W	610	615	620	625	630
Maximum Power Voltage	V	45.59	45.69	45.79	45.92	46.02
Maximum Power Current	A	13.38	13.46	13.54	13.61	13.69
Open Circuit Voltage	V	55.25	55.40	55.55	55.70	55.85
Short Circuit Current	A	14.11	14.18	14.25	14.32	14.39
Module Efficiency	%	21.82	22.00	22.18	22.36	22.54
Irradiance 1000W/m²,Module Temperature 25°C,Air Mass 1.5						
Maximum System Voltage		1000/1500VDC (IEC)				
Max Series Fuse Rating		25A				
Operational Temperature		-40°C~+85°C				
Mechanical load		5400Pa/2400Pa				
Max. hailstone impact(diameter/velocity)		Φ25mm hail, from 1 m of distance at 23 m/s				
Application Class		Class A				
Power Output Tolerance	W	0 ~ +5W				

MECHANICAL DATA

Dimensions of Module L*W*H	2465×1134×35mm
Number of Cells	156 pcs(2x78)/Mono/16BB(182mm)
Weight	30.6kg
Glass	High transparency solar glass 3.2mm
Frame	Silver, anodized aluminium alloy
J-Box	IP68
Cable	4.0mm²(0.006inches²),300mm(11.8inches)
Connector	MC Compatible
Module per box	31 pieces
Module per 40' container	496 pieces

ELECTRICAL DATA | NMOT*

Module Type		VE-459	VE-462	VE-466	VE-470	VE-474
Maximum Power	W	459	462	466	470	474
Maximum Power Voltage	V	42.28	42.39	42.50	42.61	42.72
Maximum Power Current	A	10.85	10.91	10.97	11.03	11.09
Open Circuit Voltage	V	52.48	52.62	52.77	52.91	53.05
Short Circuit Current	A	11.39	11.45	11.50	11.56	11.62
Irradiance 800W/m²,Ambient Temperature 20°C,Wind Speed 1m/s						

TEMPERATURE CHARACTERISTICS

Nominal Operating CellTemperature	45±2°C
Temperature Coefficient of Isc	-0.290%/°C
Temperature Coefficient of Voc	-0.250%/°C
Temperature Coefficient of Pmax	+0.045%/°C