



# 350-360W



## MANAGEMENT SYSTEM

- ISO 9001: Quality management system
- ISO 14001: Standard for environmental management system
- OHSAS 18001: International standard for occupational health and safety assessment system

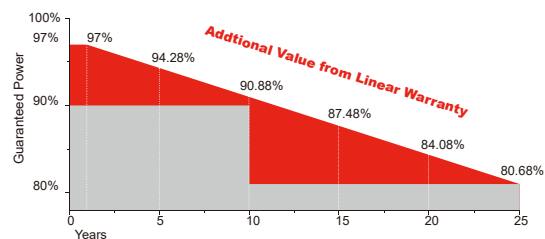
## PRODUCT CERTIFICATES



## INSURANCE



## WARRANTY



**10 YEARS** Guarantee on product material and workmanship | **25 YEARS** linear power output warranty

## Safety

- 1500V** Withstand and applicable up to 1500V high system voltage
- NEW -IEC-** Tested and certified according to newest IEC standard IEC61730-1:2016 IEC61730-2:2016
- G** Class C fire safety class

## Reliability

- NEW -IEC-** Tested and certified according to newest IEC standard IEC61215:2016
- 1st** World 1st company to pass "Thresher Test" and "On-site Power Measurement Validation" certificate
- \$/€** Bankable products

## Performance

- Advanced** Outstanding power output capability at low irradiance
- Triple 100%** Electroluminescence (EL) tests minimize breakage rate
- Photon TOP** Top rank in Photon yield measurement

# VES-6MA-HV SERIES 6 INCH 72 CELLS



\*BLACK FRAME / BLACK BACK-SHEET PRODUCTS ARE AVAILABLE UPON REQUEST.

## Electrical Characteristics(STC)

Module Type	VES-350-6MA-HV	VES-355-6MA-HV	VES-360-6MA-HV
Maximum Power at STC - $P_{mp}$ (W)	350	355	360
Open Circuit Voltage - $V_{oc}$ (V)	47	47.2	47.4
Short Circuit Current - $I_{sc}$ (A)	9.51	9.61	9.70
Maximum Power Voltage - $V_{mp}$ (V)	38.1	38.3	38.5
Maximum Power Current - $I_{mp}$ (A)	9.19	9.27	9.36
Module Efficiency STC- $\eta_m$ (%)	17.91	18.17	18.42

STC: Irradiance 1000 W/m<sup>2</sup> module temperature 25°C AM=1.5;  
Power measurement tolerance: +/-3%

## Electrical Characteristics(NOCT)

Module Type	VES-350-6MA-HV	VES-355-6MA-HV	VES-360-6MA-HV
Maximum Power at NOCT - $P_{mp}$ (W)	260	263	267
Open Circuit Voltage - $V_{oc}$ (V)	43.4	43.6	43.8
Short Circuit Current - $I_{sc}$ (A)	7.68	7.75	7.84
Maximum Power Voltage - $V_{mp}$ (V)	35.8	35.9	36.1
Maximum Power Current - $I_{mp}$ (A)	7.27	7.33	7.40

NOCT: Irradiance 800 W/m<sup>2</sup> ambient temperature 20°C wind speed :1m/s  
Power measurement tolerance: +/-3%

Power Tolerance (W)	(0,+4.99)
Maximum System Voltage (V)	1500 (TÜV)
Maximum Series Fuse Rating (A)	20

## Temperature Characteristics

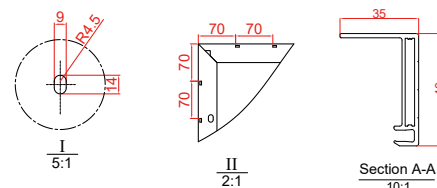
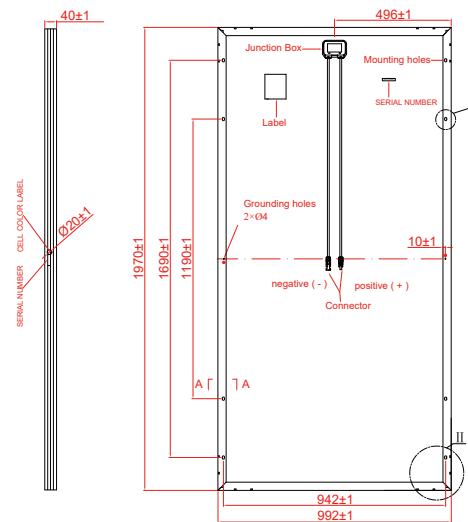
Pmax Temperature Coefficient	-0.40 %/°C
Voc Temperature Coefficient	-0.32 %/°C
Isc Temperature Coefficient	+0.05 %/°C
Operating Temperature	-40~+85 °C
Nominal Operating Cell Temperature (NOCT)	45±2 °C

## Packing Configuration

	1970 x 992 x 40mm	
Container	20'GP	40'GP
Pieces per Pallet	27	27
Pallets per Container	10	22
Pieces per Container	270	594

## Mechanical Specifications

External Dimensions	1970 x 992 x 40 mm
Weight	23 kg
Solar Cells	Mono crystalline 156.75 x 156.75 mm (72pcs)
Front Glass	3.2 mm tempered glass, low iron
Frame	Anodized aluminium alloy
Junction Box	IP67
Output Cables	4.0 mm <sup>2</sup> , cable length: 1100 mm
Connector	MC4 Compatible
Mechanical Load	5400 Pa



\* All Dimensions in mm

\* The above drawing is a graphical representation of the product.  
For engineering quality drawings please contact VENERGY.

## I-V Curve(VES-350-6MA-HV)

