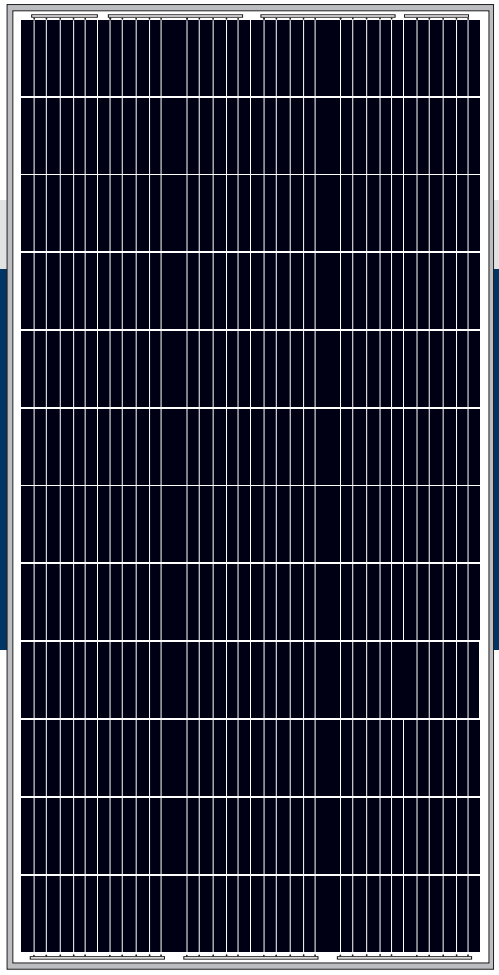
ZOEAST

PERC



ZES MODULE

158 PERC Series Monocrystalline

- ZES-6AM415
- ZES-6AM410
- ZES-6AM405
- ZES-6AM400
- ZES-6AM395

Features

Quality
Product certification to IEC 61215
Protection class II / IEC 61730-II(FIRE Testing)
Hot-Spot Protect,PID Free

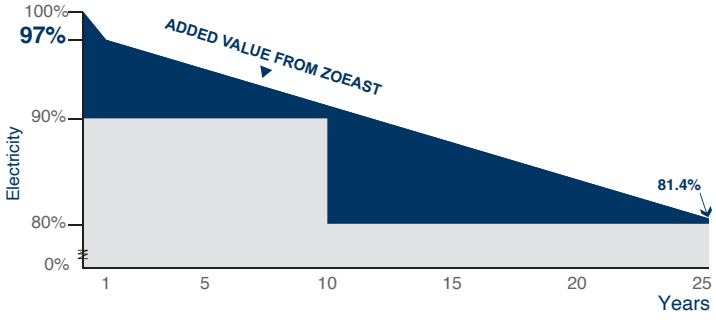
Product features
Performance sorting –0/+5 Wp
Temperature coefficient P_{mpp}–0.37 % K

Value chain
Crystal–Wafer–Cell–Module

Components
3.2mm frontglass, 3 Diode
Zoeast Cell ZE-158.75M4BB Cells

Warranty
10 years product material and craftwork
25 years performance guarantee
(90% up to 10 years,80% up to 25 years)

Power classes
415-395wp



Benefits

PERC Cells:
- The mono cell with passivated backside + SE
- >22.70% average mass production efficiency

More Power Per m^2 :
- Higher conversion efficiency more power production per unit area

Lower System Cost:
Higher coversion efficiency help you save
- Transportation Cost
- Installation Cost
- BOS Cost

Excellent performance under low light environment
- Enhanced spectra response at longer wavelength boosts low-light performance, which can produce more than 3% additional power

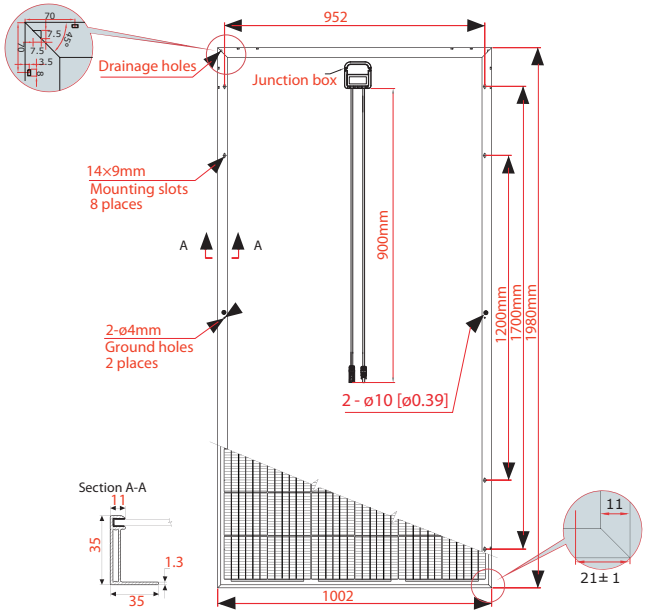
ZOEAST PV CO.,LTD.

Add: No.14, Jinghu Road, Xinzhuang Street, Yixing City 214266 Jiangsu, P.R.China

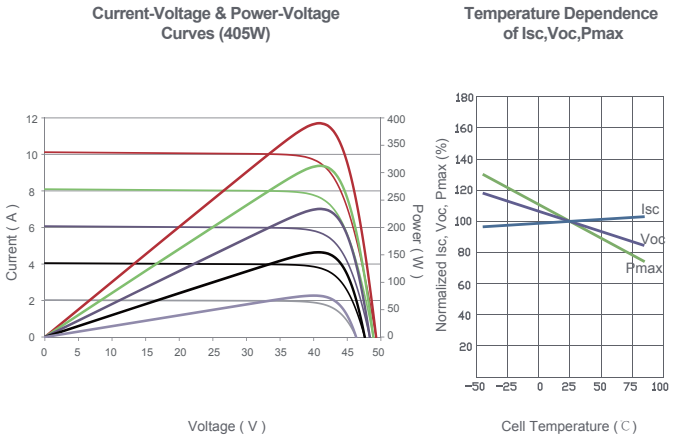
Tel: +86 (510) 8739 7566 Fax: +86 (510) 8739 7566

www.zoeastpv.com

Engineering Drawings



Electrical Performance & Temperature Dependence



Packaging Configuration

(Two pallets=One stack)

30pcs/pallet, 60pcs/stack, 792pcs/40'HQ Container

Mechanical Characteristics

Cell Type	Mono PERC 158.75×158.75mm 4BB
No.of cells	72 (6×12)
Dimensions	1980×1002×35mm
Weight	23.5 kg (51.8 lbs)
Front Glass	3.2mm, Anti-Reflection Coating, High Transmission, Low I ron, Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Rated
Output Cables TÜV	1×4.0mm², Length 900mm or Customized Length

SPECIFICATIONS

Module Type	ZES-6AM395		ZES-6AM400		ZES-6AM405		ZES-6AM410		ZES-6AM415	
	STC	NOC	STC	NOCT T	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power (Pmax)	395Wp	301Wp	400Wp	305Wp	405Wp	309Wp	410Wp	313Wp	415Wp	317Wp
Maximum Power Voltage (Vmp)	40.5V	38.6V	40.8V	38.8V	41.1V	39.1V	41.4V	39.4V	41.7V	39.7V
Maximum Power Current (Imp)	9.75A	7.79A	9.80A	7.86A	9.78A	7.90A	9.90A	7.94A	9.95A	7.98A
Open-circuit Voltage (Voc)	48.9V	47.5V	49.1V	47.7V	49.3V	48.0V	49.5V	48.3V	49.7V	48.5V
Short-circuit Current (Isc)	9.75A	7.88A	9.92A	7.95A	10.12A	8.02A	10.14A	8.09A	10.16A	8.16A
Module Efficiency STC (%)	19.91%		20.16%		20.41%		20.66%		20.92%	
Operating Temperature (℃)	-40℃~+85℃									
Maximum Sys tem Voltage	1500VDC (IEC)									
Maximum Series Fuse Rating	20A									
Power Tolerance	0~+3%									
Temperature Coefficients of Pmax	-0.37%/℃									
Temperature Coefficients of Voc	-0.28%/℃									
Temperature Coefficients of Isc	0.048%/℃									
Nominal Operating Cell Temperature (NOCT)	45±2℃									

STC: Irradiance 1000W/m² Cell Temperature 25 °C AM=1.5

NOCT: Irradiance 800W/m² Ambient Temperature 20 °C AM=1.5 Wind Speed 1m/s

* Power measurement tolerance: ± 3%

The company reserves the final right for explanation on any of the information presented hereby.