

# 260-270W

182 mm Half Cell, 70Cells

VDS-S70/M10H

Monofacial Solar Module

Module Efficiency

**20.0%**

Highest Power Output

**270W**

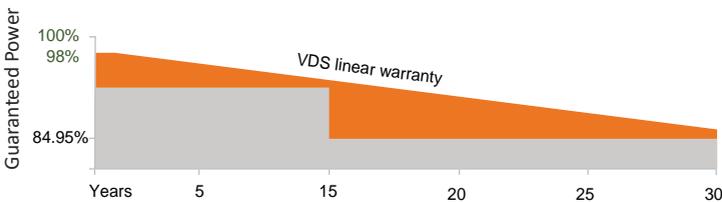
Product Warranty

**15 YEARS**

Linear Power Warranty

**30 YEARS**

## PERFORMANCE WARRANTY



**2.00%** First year power degradation

**0.45%** Annual degradation

## PRODUCT ADVANTAGES



### 10BB half-cut cell technology

New circuit design, lower internal current, lower  $R_s$  loss Ga doped wafer, attenuation  $<2\%$  (1st year) /  $\leq 0.45\%$  (Linear)



### Significantly lower the risk of hot spot

Special circuit design with much lower hot spot temperature



### Lower LCOE

1% more power generation, lower LCOE



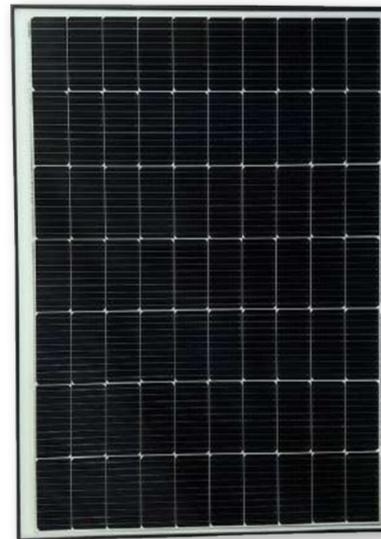
### Excellent Anti-PID performance

2 times of industry standard Anti-PID test by TUV SUD



### IP68 junction box

High waterproof level



# VDS-S70/M10H

## ELECTRICAL PARAMETERS

Maximum Power (Pmax/W)*	260	265	270
Operating Voltage (Vmp/V)	40.4	40.6	40.8
Operating Current (Imp/A)	6.44	6.53	6.62
Open-Circuit Voltage (Voc/V)	48.6	48.8	49.0
Short-Circuit Current (Isc/A)	6.77	6.86	6.97
Module Efficiency $\eta_m$ (%)	19.3	19.6	20.0
Power Tolerance (W)		0~+5	

STC: Irradiance 1000W/m<sup>2</sup>, module temperature 25°C, AM=1.5; \*Measuring tolerance: ±3%

## MECHANICAL SPECIFICATION

Cell Type	Monocrystalline silicon
Cell Dimensions	182
Cell Arrangement	70
Weight	15.3 kg
Module Dimensions	1345*1002*35mm
Cable Length	350 mm or customized length
Cable Cross Section Size	TÜV: 4 mm <sup>2</sup>
Front Glass	3.2 mm AR Coating Tempered Glass
No. of Bypass Diodes	3/3
Packing Configuration	31 pcs/Carton, 992pcs/40HQ
Frame	Anodized Aluminium Alloy
Junction Box	IP68

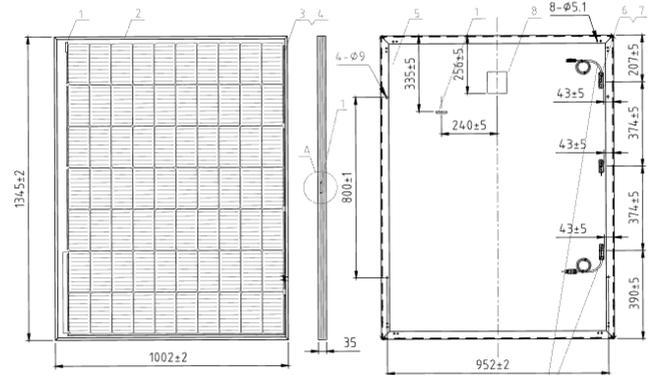
## OPERATING CONDITIONS

Maximum System Voltage	600V/DC(IEC)
Operating Temperature	-40°C to +85°C
Maximum Series Fuse	15A
Static Loading	Snow Loading: 5400Pa / Wind Loading: 2400Pa
Conductivity at Ground	≤0.1Ω
Safety Class	II
Resistance	≥100MΩ
Connector	MC4 compatible

## TEMPERATURE COEFFICIENT

Temperature Coefficient Pmax	-0.34%/°C
Temperature Coefficient Voc	-0.26%/°C
Temperature Coefficient Isc	+0.050%/°C
NMOT	42±2°C

## TECHNICAL DRAWINGS



使用盒子上有VDE刻印的接线盒，电缆长度为1400毫米，并使用MC4-Evo 2A的连接器。  
Use a junction box with a VDE mark on the box, a cable length of 1400 mm, and a connector with MC4-Evo 2A.



## I-V CURVE

