

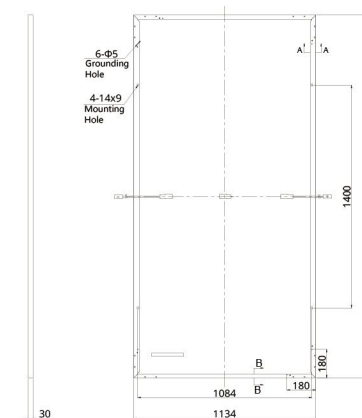
Mono Perc

VE-535~560-72M

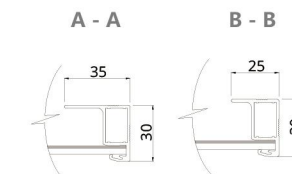
535~560W

ENGINEERING DRAWING (mm)

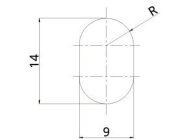
Rear View



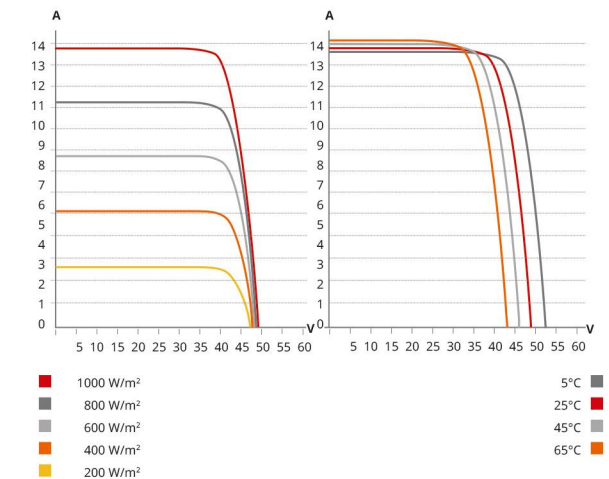
Frame Cross Section



Mounting Hole



I-V CURVES



ELECTRICAL DATA | STC*

Module Type	VE-535	VE-540	VE-545	VE-550	VE-555	VE-560
Nominal Max. Power (Pmax)	535 W	540 W	545 W	550 W	555 W	560 W
Opt. Operating Voltage (Vmp)	41.1 V	41.3 V	41.5 V	41.7 V	41.9 V	42.1 V
Opt. Operating Current (Imp)	13.02 A	13.08 A	13.14 A	13.20 A	13.25 A	13.31 A
Open Circuit Voltage (Voc)	49.0 V	49.2 V	49.4 V	49.6 V	49.8 V	50.0 V
Short Circuit Current (Isc)	13.85 A	13.90 A	13.95 A	14.00 A	14.05 A	14.10 A
Module Efficiency	20.7%	20.9%	21.1%	21.3%	21.5%	21.7%
Operating Temperature	-40°C ~ +85°C					
Max. System Voltage	1500V (IEC/UL) or 1000V (IEC/UL)					
Module Fire Performance	TYPE 1 (UL 61730 1500V) or TYPE 2 (UL 61730 1000V) or CLASS C (IEC 61730)					
Max. Series Fuse Rating	25 A					
Application Classification	Class A					
Power Tolerance	0 ~ + 10 W					

* Under Standard Test Conditions (STC) of irradiance of 1000 W/m², spectrum AM 1.5 and cell temperature of 25°C.

MECHANICAL DATA

Specification	Data
Cell Type	Mono-crystalline
No. of cells	144 [2 x (12 x 6)]
Dimension(mm)	2278 × 1134 × 30 mm (89.7 × 44.6 × 1.18 in)
Weight	27.6 kg (60.8 lbs)
Front Cover	3.2 mm tempered glass with anti-ref-lective coating
Frame	Anodized aluminium alloy
J-Box	IP68, 3 bypass diodes
Cable	4 mm² (IEC), 12 AWG (UL)
Cable Length (Including Connector)	350 mm (13.8 in) (+) / 250 mm (9.8 in) (-) or customized length*
Connector	T6 or MC4-EVO2 or MC4-EVO2A
Per Pallet	35 pieces
Per Container (40' HQ)	700 pieces or 630 pieces



HIGH POWER



MUTI BUSBAR



HALF-CUT CELL



HIGH DENSITY ENCAPSULATION

WARRANTY



Guarantee on product material and workmanship



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

ELECTRICAL DATA | NMOT*

Module Type	VE-401	VE-405	VE-409	VE-412	VE-416	VE-420
Nominal Max. Power (Pmax)	401 W	405 W	409 W	412 W	416 W	420 W
Opt. Operating Voltage (Vmp)	38.5 V	38.7 V	38.9 V	39.1 V	39.3 V	39.5 V
Opt. Operating Current (Imp)	10.42 A	10.47 A	10.52 A	10.55 A	10.59 A	10.64 A
Open Circuit Voltage (Voc)	46.3 V	46.5 V	46.7 V	46.9 V	47.1 V	47.3 V
Short Circuit Current (Isc)	11.17 A	11.21 A	11.25 A	11.29 A	11.33 A	11.37 A

TEMPERATURE CHARACTERISTICS

Specification	Data
Temperature Coefficient (Pmax)	-0.34 % / °C
Temperature Coefficient (Voc)	-0.26 % / °C
Temperature Coefficient (Isc)	0.05 % / °C
Nominal Module Operating Temperature	41 ± 3°C