

Vertec
series

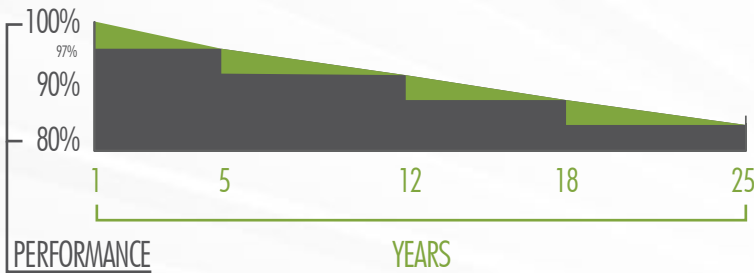
460W

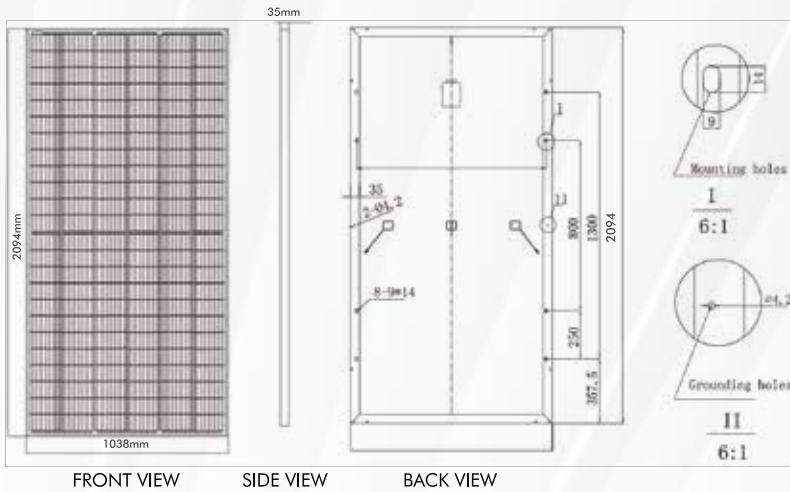
**SK-460P6-144M (MULTI BUSBAR)
HALF CUT MONO PERC**

KEY SALIENT FEATURES

- ✓ High module conversion efficiency up to 21.16%
- ✓ 2% more power generation, lower LCOE
- ✓ Reliable quality leads to a better sustainability even in harsh environment
- ✓ More power output in weak light condition such as cloudy, morning and sunset
- ✓ Lower operating temperature and temperature coefficient increases the power output
- ✓ Less energy loss caused by shading due to new cell string layout and lower cell connection power loss due to half-cell design.

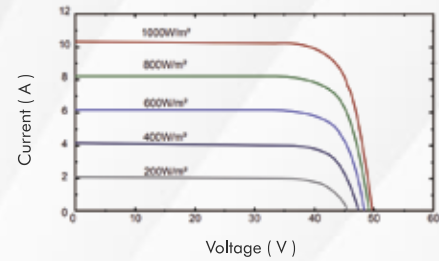
ADDED VALUE FROM WARRANTY



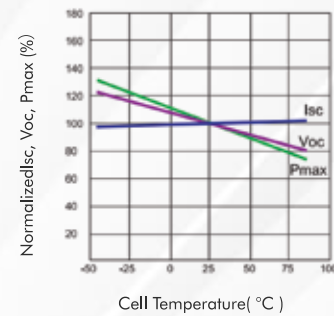
MECHANICAL DRAWINGS

I-V CURVES

I-V Curves at SK-460P6-144M at different irradiances

Cell Temp: 25°



Power voltage current curve at different temperature


MECHANICAL SPECIFICATION

Module Type	SK-460P6-144M
Module Size	166mm
Power Output (Pmax/W)	460W
Power Output Tolerances	±3%
Module Efficiency (nm)	21.6%
Voltage at Pmax (Vmp/V)	41.37V
Current at Pmax (Imp/A)	11.12A
Open-Circuit Voltage (Voc/V)	49.53V
Short-circuit Current (Isc/A)	11.75A

GENERAL CHARACTERISTICS

Products Dimension (L/W/H)	2094*1038*35mm
Weight	22.5KGS
QTY of per Pallet	30pcs per pallet
Packaging box dimensions	2295*1095*1145mm
No. of pallets for 40HQ Containers	22 Pallets (660 PCS)

THERMAL CHARACTERISTICS

Normal operating cell temperature	45±2
Temperature coefficient of Pmax	-0.35
Temperature coefficient of Voc	-0.27
Temperature coefficient of Isc	0.05
Temperature coefficient of Vmpp	-0.42

OPERATING CONDITIONS

Maximum system voltage	1500Vdc
Maximum series fuse rating	20A
Operating temperature range	-40°C to 85°C
Maximum static load front (e.g., Snow)	5400Pa
Maximum static load back (e.g., Wind)	2400Pa
Maximum hailstone impact (diameter)	25mm/23m/s

CONSTRUCTION MATERIALS

Front cover (Material/thickness)	low-iron tempered glass/3.2mm
Cell (quantity/material)	144PCS Mono Perc (166MM)
Frame (Material)	anodized aluminum alloy/silver/clear
Junction box (protection degree)	≥IP65
Cable (Length/cross-sectional area)	300mm/4mm2

 STC: 1000W/m² irradiance, 25°C cell temperature, AM1.5. NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, wind speed 1m/s.

Note: Product specifications are subject to change without further notice