

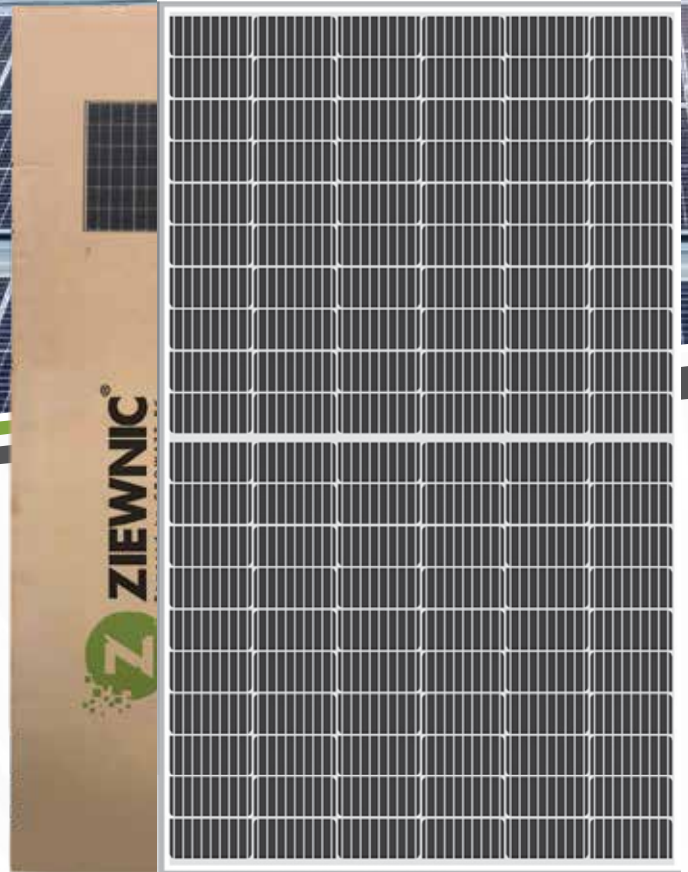
Vertec
series

640W
600W

TS-M-640DE22 & TS-M-600DE22
HALF CUT MONO PERC (MULTI BUSBAR)

KEY SALIENT FEATURES

- ✓ Ultimate string power 37% higher string power
- ✓ Most efficient and cost saving
- ✓ High output power
- ✓ Better power generation under shadows
- ✓ Strong anti-hot spot ability
- ✓ Strong mechanical load capacity
- ✓ Super strong frame
- ✓ 1500V system voltage



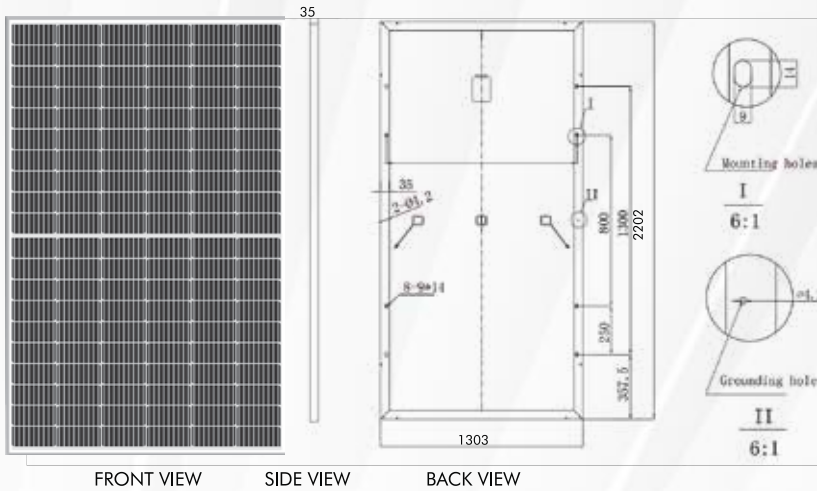
INTRODUCING
1ST TIME IN
PAKISTAN

640W

PANEL IN 210MM
CELL SIZE WITH 21.2%
MORE EFFICIENCY



MECHANICAL DRAWINGS



210mm, The Future from Now On!

Vertec module with 600W+ power and 21.2%+ efficiency

166mm 182mm 210mm

Multi-busbar technology, improving optical utilization rate with higher electricity performance.

Module power increase 2-3%, efficiency increase 0.4-0.6%

Conventional Module VERTEC Module

High density encapsulation technology, optimizing power output with good balance between reliability and efficiency, module efficiency increase 0.2-0.3%

MECHANICAL SPECIFICATION

Cell Type	Half Cut Mono Perc 210x105mm
Number Of Cells	120 (6x20)
Dimensions(AxBxC)	2202x1302x35mm
Weights	30.9kg
Glass	3.2mm Tempered Low Iron Glass
Aluminium Frame	Anodised Aluminium
Junction Box	Split Junction Box (IP68 ,three diode)
Connector	Mc4 Compatible
Output Cables	4.0mm ² , +300mm,-300mm Customized Length

STRING MOUNTING STRUCTURE CABLE PV SYSTEM INSTALLATION COST

-24.8% -8.6% -24.8% -17.9%

PACKING CONFIGURATION

Container	40' HQ
Pieces Per Container	565

ELECTRICAL CHARACTERISTICS

Module Type	600W	640W
	STC	STC
Maximum Power At STC (Pmax)	600w+/-3%	640w+/-3%
Short Circuit Current (Isc)	17.2A+/-4%	17.9A+/-4%
Open Circuit Voltage (Voc)	43.5V+/-3%	43.5V+/-3%
Maximum Power Current (Impp)	16.23A	16.9A
Maximum Power Voltage (Vmpp)		36.5V
Module Efficiency		20.98%
Power Tolerance		0~+5W
Maximum System Voltage		IEC 1500V
Maximum Series Fuse		30A
Module Application		A Tier1
Operating Temperature		-40~+85°C
Number Of Bypass Diodes		2
Temperature Coefficient Of Pmax		-0.36%/°C
Temperature Coefficient Of Voc		-0.29%/°C
Temperature Coefficient Of Isc		0.05%/°C

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

