

Vertex 600W+

BEST FIT FOR LANDSCAPE

Vertex

ULTIMATE STRING POWER

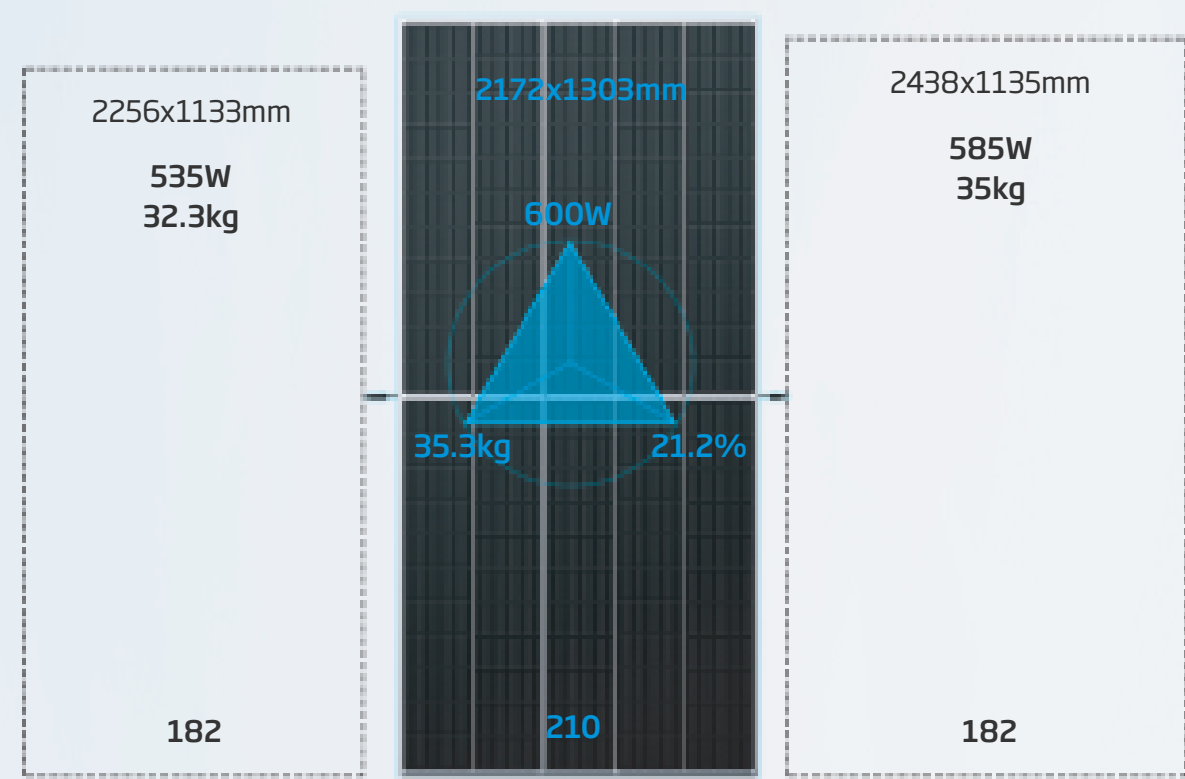
- **37%** higher string power

MOST EFFICIENT COST-SAVING

- **12.68 c USD/W** BOS reduction



Introduction of Vertex 600W



Vertex 600W module size: 2172x1303x35mm
Weight: 30.9kg(Monofacial)/35.3kg(Bifacial)

	182	182	Vertex
Power (W)	535~540	585	600+
Module eff.	21.1%	21.1%	21.2%
Weight (kg)	32.3	35	35.3
Length (mm)	2256	2438	2172
Width (mm)	1133	1135	1303
Area (m²)	2.56	2.77	2.83
Isc (A)	13.85	13.87	18.4
Voc (V)	49.5	53.2	37.9
Per container (pcs)	620	496	620
Power in Per container (W)	334,800	290,160	341,000

210, The Future from Now On!

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

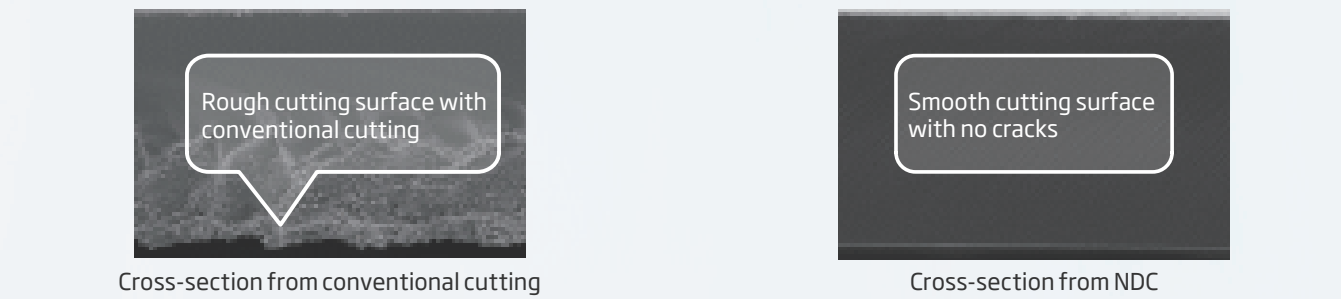


Multi-busbar technology,improving optical utilization rate with higher electricity performance, Module power increase 2~3%, efficiency increase 0.4~0.6%



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

Non-destructive Cutting(NDC) Technology



Achieving better cell strength, lower micro-cracks riskfor better product reliability

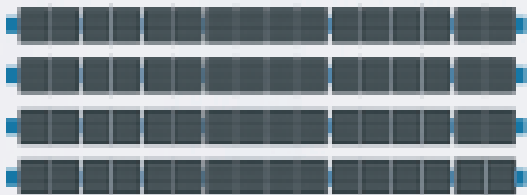
LOWER VOLTAGE BRINGS
HIGHER STRING POWER

37%

Module Type	String Module Number	Module Pmax	String Power	Higher Power
210	32	600W	19,200	37%
182	24	585W	14,040	-

600W

String Power
19,200W



32pcs/string(4x8)



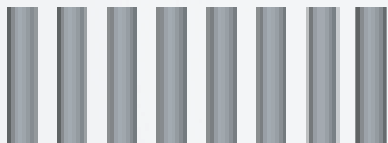
Foundation Pile
10 piles/String
520 Pile/MW

585W

String Power
14,040W



24pcs/string(4x6)



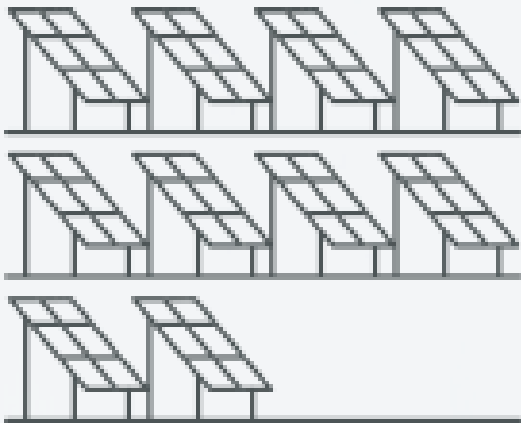
Foundation Pile
8 piles/String
570 Pile/MW

600W

Rack Steel
45ton/MW

Cable length
2.1km/MW

Total Number of
Racks
782



585W

Rack Steel
46.2ton/MW

Cable length
2.8km/MW

Total Number of
Racks
1070



600W VS 585W Higher String Power Brings Lower Cost

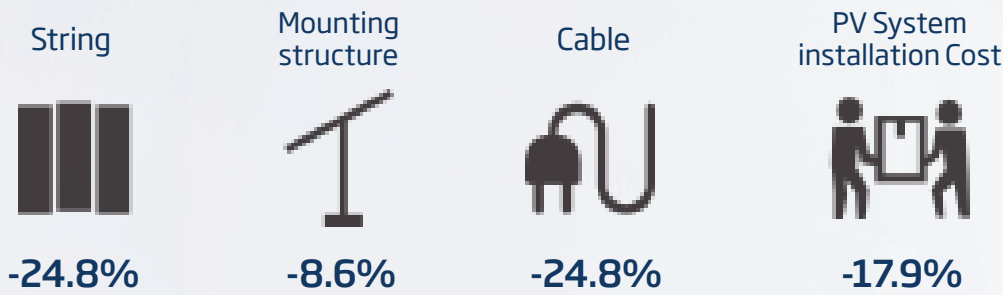
BOS reduction

12.68cUSD/W



Case study
Location: Aomori , Japan
Project Capacity: 15MW DC
Inverter: 1500V
DC/AC Ratio: 1.5

600W VS 585W

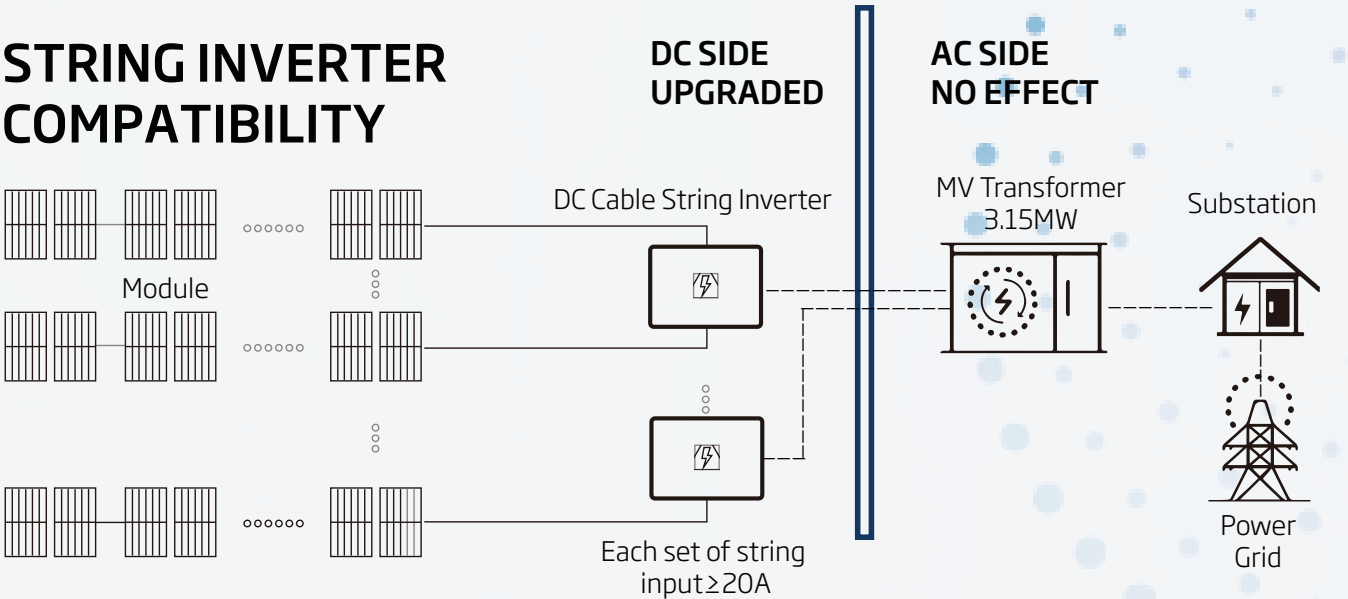
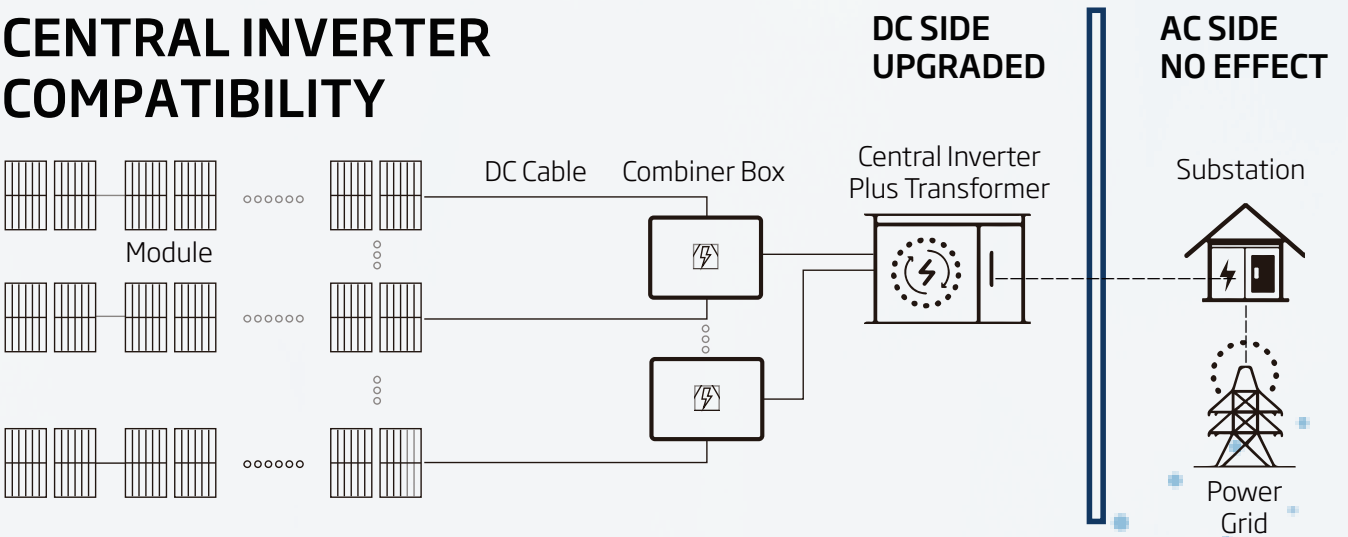


	182	182	Vertex
Power (W)	535	585	600+
Combiner box	1.33	1.33	1.06
Mounting Structure	11.88	11.11	10.86
DC conductor (6 mm2 cable & MC4 connectors)	8.68	8.93	6.53
PV System Installation	56.91	56.48	46.72
Total	78.8	77.85	65.17
BOS Gap(c USD/W)	-	-0.95	-13.63

*Source DNV GL: Trina Vertex One-in-Portrait BOS & LCOE Calculation.

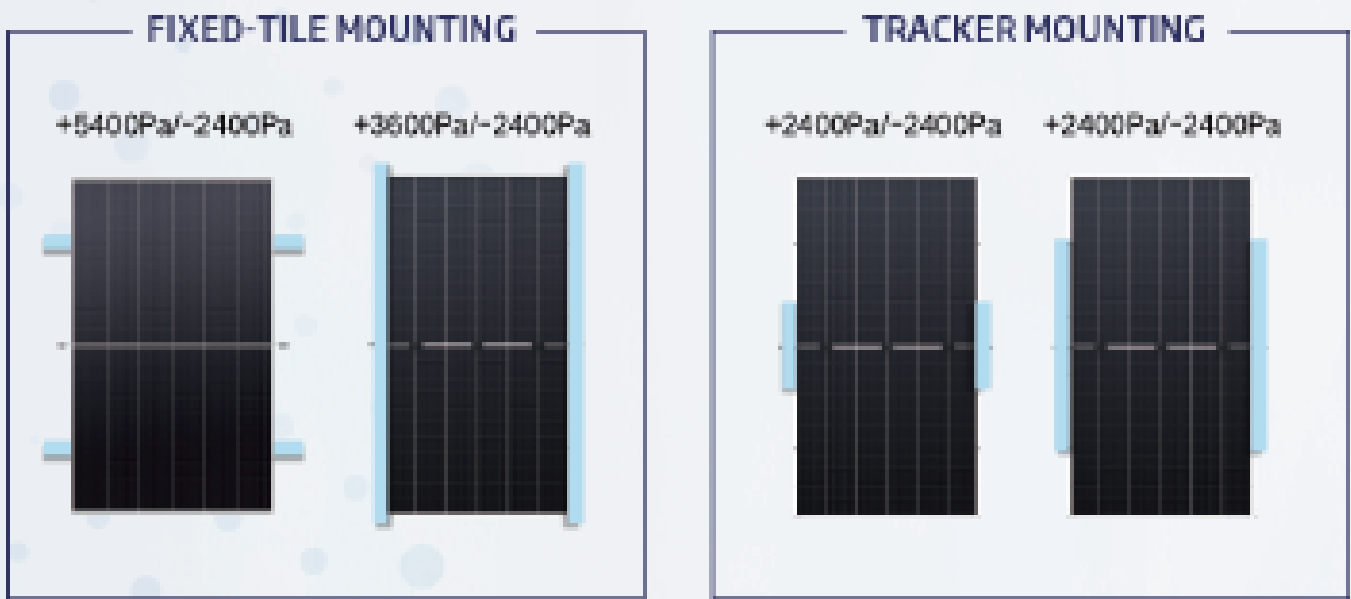
Ecosystem is Completely in Place

TYPE	BRAND		MODEL
INVERTER	Central	SUNGROW	1600/2500/3125KW
	String	SUNGROW	SG225HX/SG250HX
		HUAWEI	SUN2000-196KTL-H0/SUN2000-196KTL-H3
		SMA	Sunny Tripower 150-20
		SINENG	SP-225-H/SP-250K-H
COMBINER BOX	LongMax, Bentek, ConnectPV Shoals, SolarBOS		1500V High Current
CABLE	4MM²/6MM²		



Mechanical Loading

Compatible with Fixed-tilt and Tracker



Company Name	Brand/Product Type	210 module compatibility
Arctech Solar Holdings Co., Ltd.	Skyline/Skysmart II	✓
Array Technologies Inc	DuraTrack HZ v3	✓
GameChange Solar LP	GENIUS TRACKER™ 1P/ GENIUS TRACKER™ 2P	✓
IDEEMATEC Deutschland GmbH	H4PLUS™	✓
Nextracker Inc.	Nextracker products	✓
PV HARDWARE SOLUTIONS, S.L.U	Independent row: Monoline™ (all its versions 1V, 3H and 2V); Multi-row: Axone™, Axone Duo™)	✓
SOLTEC ENERGIAS RENOVABLES S.L.	SF7 & SF8	✓
Trina Solar Co., Ltd	TrinaTracker (Vanguard™/Agile™)	✓
FTC Solar	Voyager/Voyager+	✓
Soltigua	Soltigua products	✓

