

Trina solar

Power Beyond Solar

The World Leading PV and Smart Energy IoT Total Solution Provider



Trina Solar
Official Website



Vertex Product
information

For more information regarding Vertex module,
please follow our social media accounts or
scan the QR codes to visit us at our website.

Vertex N

Ground-Mounted Power Station
"The Star of LCOE"

720W+



HIGH EFFICIENT COST-SAVING

2.16% BOS Cost Reduction

1.8% LCOE Reduction

Contents

1. Trina's Leading Technology

3. Module Information

2. BOS Calculations

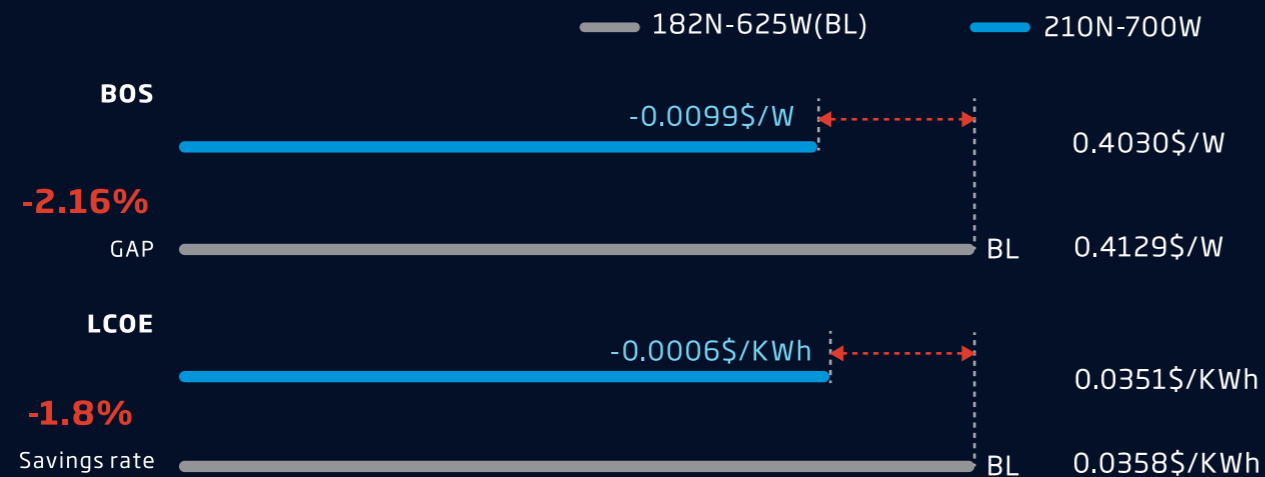
4. Inverter Compatibility

BOS & LCOE Comparison

Case study



- **Location:** Rio Verde, Brazil
- **Inverter type:** string inverter
- **DC Capacity:** 125MW
- **Mounting type:** 1P tracker
- **Module type:** bifacial module

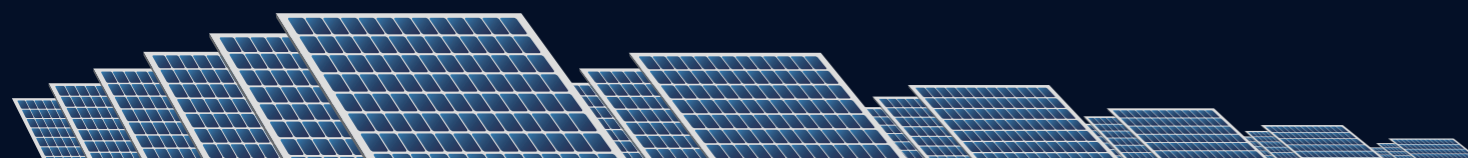


" The Star of LCOE "

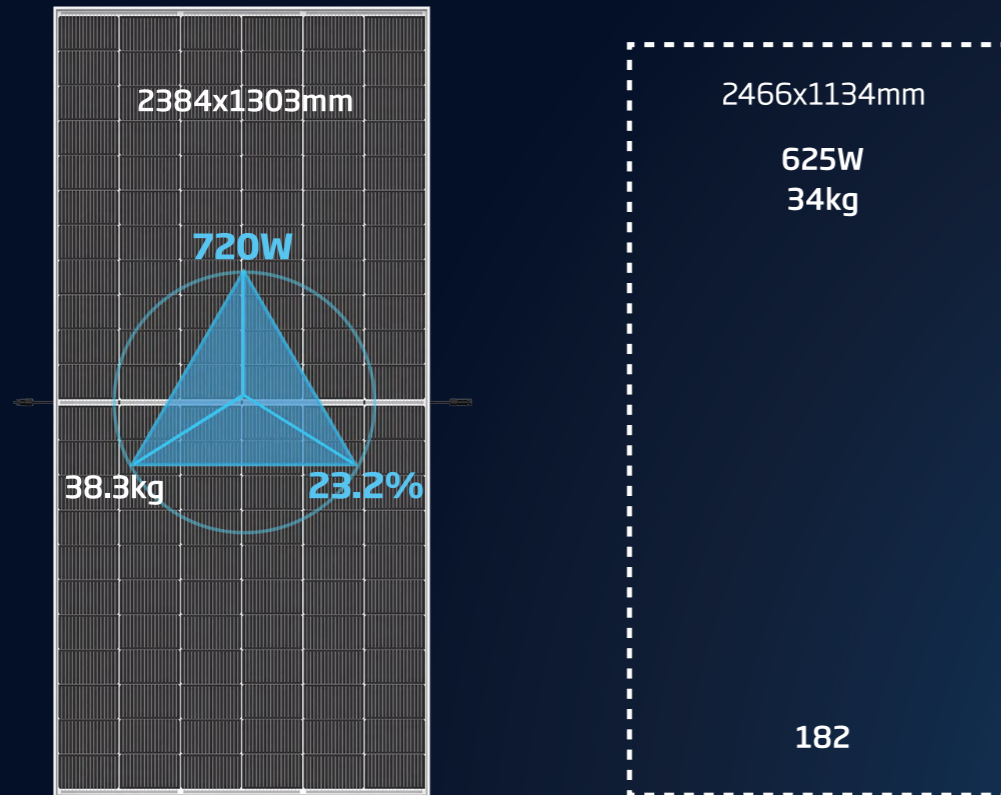
2.16% BOS Cost Reduction
1.8% LCOE Reduction

700W VS 625W

Item	Module type	210R-N-66p-700W	182-N-78p-625W
Mounting	Installation	1P tracker	
	Pitch	E-W 6.8m	E-W 7.0m
Inverter	Inverter type	SUN2000-330KTL-H1	
	Inverter number	334	334
Layout	Module/string	31	28
	String power	21700	17500
	String number	5760	7142
	Module number	178560	199976
BOS Comparison	Total BOS(\$/W)	0.4030	0.4129
	BOS saving(cUSD/W)	-2.16%	BL
LCOE Comparison	Total LCOE(\$/KWh)	0.0351	0.0358
	LCOE saving	-1.8%	BL



30W+ HIGHER POWER



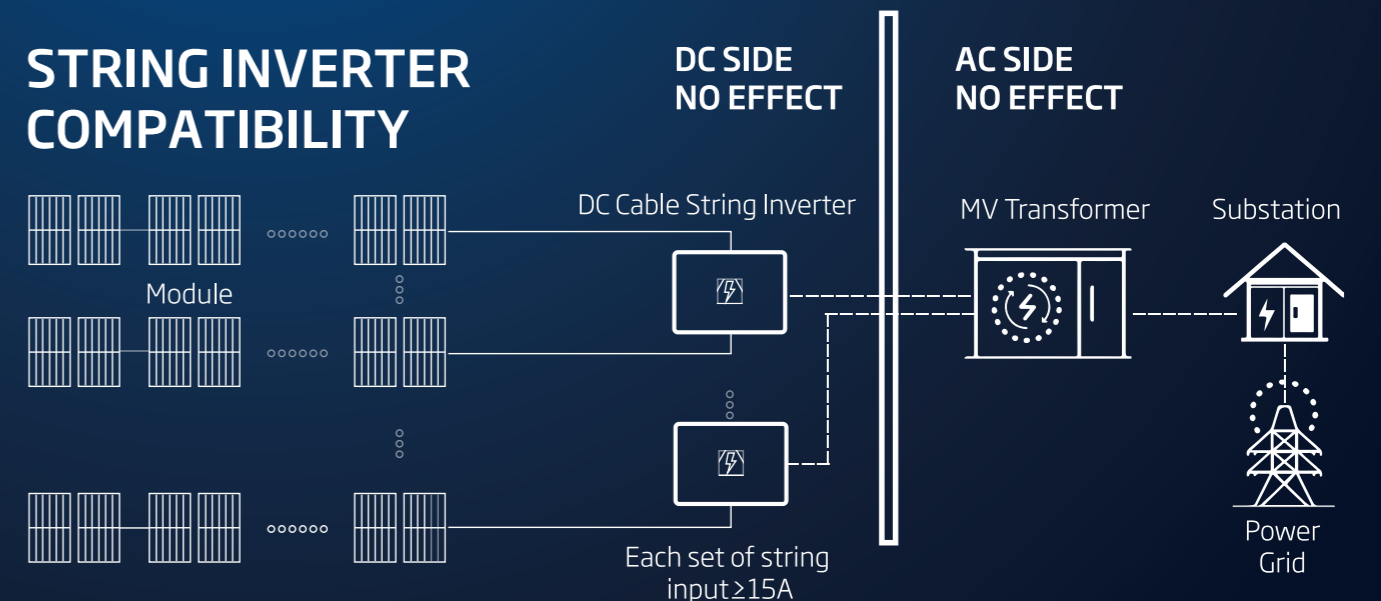
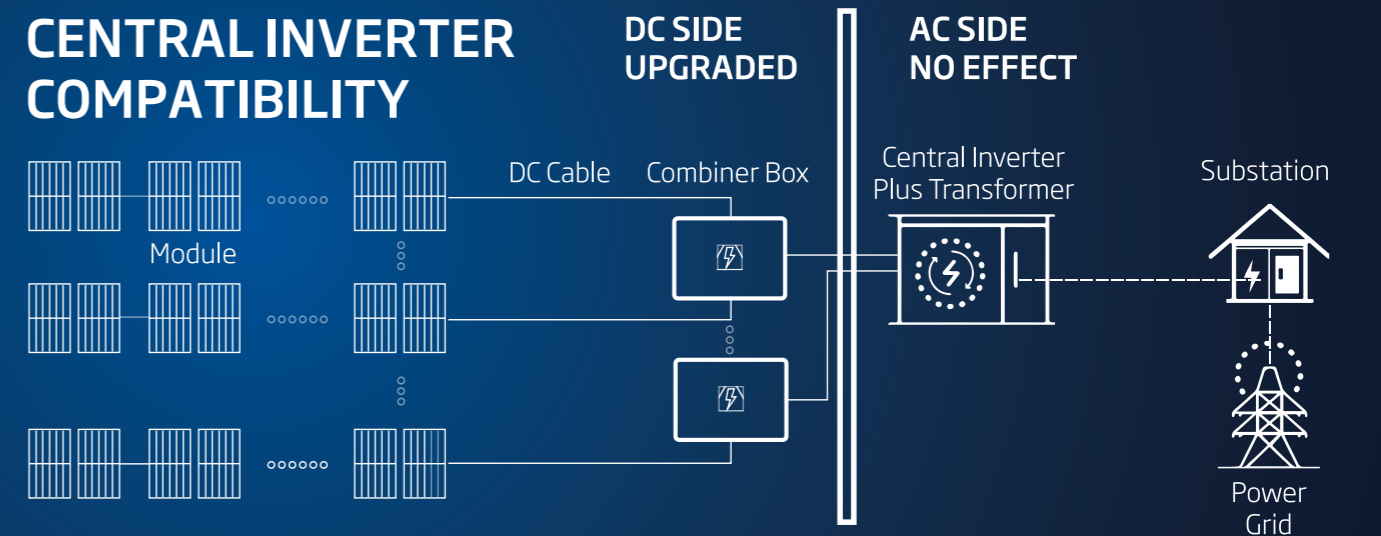
Vertex 695W module size: 2384x1303x33mm(Bifacial)
Weight: 38.3kg (Bifacial)

	210R-N-66	182-N-78
Module power (W)	700w	625w
Module efficiency	22.5%	22.2%
Module weight (kg)	38.3	34
Module length (mm)	2384	2466
Module width (mm)	1303	1134
Module area (m ²)	3.1	2.8
Short-circuit current-Isc(A)	17.44	13.74
Open-circuit voltage-Voc(V)	49.4	56.82
Module per container(pcs)	594	576
Power per container(W)	427,680	357,120

Inverter Compatibility

INVERTER TYPE	INVERTER BRAND	INVERTER MODEL
STRING INVERTER	HUAWEI	SUN2000-215KTL-H0, SUN2000-215KTL-H3
	SUNGROW	SG350HX
	GROWATT	MAX 185-253KTL3-X HV
	SOLIS	Solis-215K-EHV-5G-PLUS, Solis-255K-EHV-5G, Solis-255K-EHV-5G-PLUS,
	GOODWE	GW225/250K-HT, GW225/250KN-HT
	SOFAR SOLAR	SOFAR 255KTL-HV
	SMA	SUNNY HIGHPOWER 150-20
	FIMER	PVS-350-TL
	SINENG	SP-250K-H1, SP-275K-H1
	INGETEM	INGECON SUN 160TL,

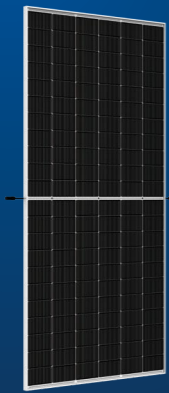
*The table only lists the main models of mainstream inverter brands in the market for utility, but does not cover all brands and models; The inverter models of manufacturers in the table are subject to change without notice.



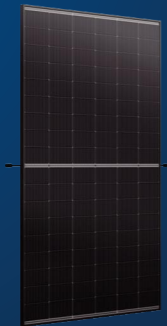
Vertex N



720W+



625W+



505W+



455W+

