

Your Solar PV Proposal



ARJ
1 Vinyl Square



What's Included

Solar PV System Including:

- **59 x Trina Vortex 400w Solar Panels**
- **20kw Growatt Inverter (3PH)**
- **Van Der Valk 10 Degree Mounting System**
- **Emlite Generation Meter**
- **All Cables and Wiring**
- **AC and DC Isolators**
- **MCS Registration**
- **Renewable Energy Consumer Code**
- **Workmanship Warranty**
- **Installation**

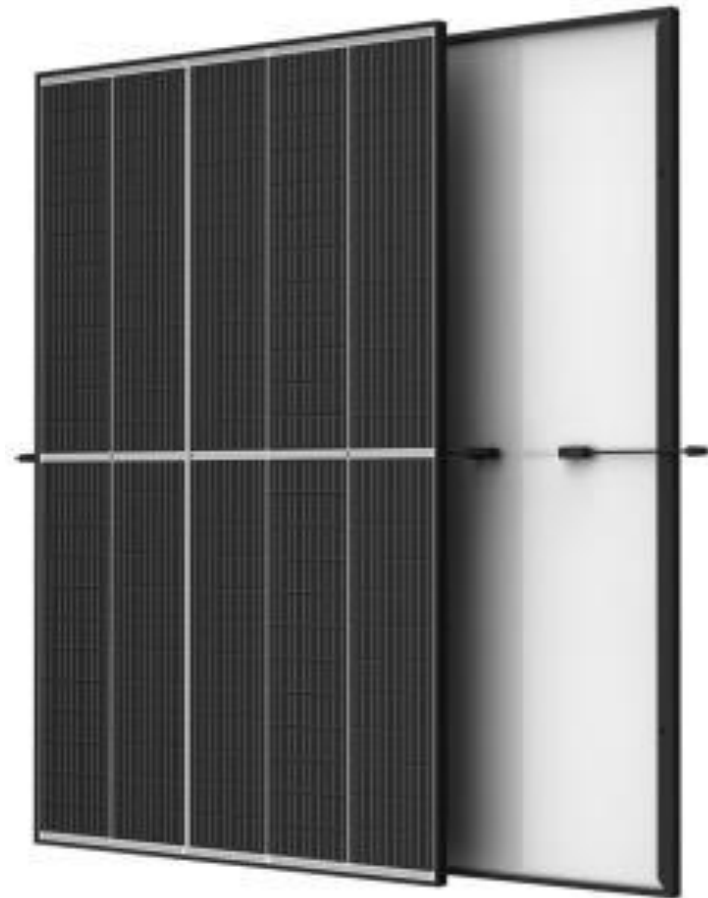


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Trina Vortex 400w Solar Panels

- Highly Efficient Solar Panels even in low light conditions
- Reliable 15-year product warranty from a global brand
- Each panel has an output of 400w which is what they can generate per hour
- Performance guarantee that after 25 years they will still be at least 84.8% efficient
- Black panel that's more aesthetically pleasing than most others.



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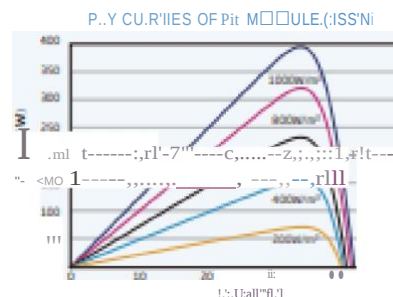
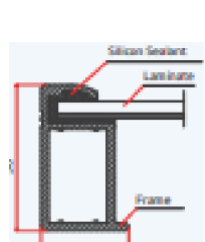
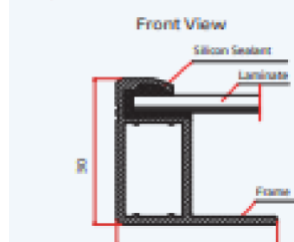
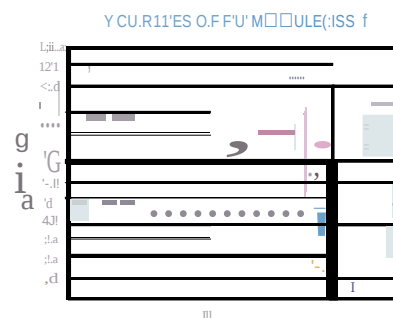
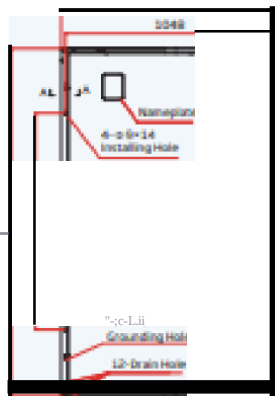


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c(gt. .	ISO 9001: Quality Management System
	ISO 14001: Environmental Management System
	ISO 14064: Greenhouse Gases Emissions Verification
	ISO 45001: Occupational Health and Safety Management System

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D:ECIRC;11..IHFD	I:ISTCJ
Peak Power Watts-Peak [Wp]*	
Power Tolerance-Peak [W]	
Maximum Power Voltage-Vmax[V]	
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Open-Circuit Voltage-Voc[V]	UHI JJJ.2
Circuit Current-Isc [A]	IZ.a
w.t...M .	nJ :H.L

MECHANICAL DATA	
Solar Cells	Monocrystalline
No. of cells	1H1all.
Module Dimensions	11'11'0" ± [J-(r,111t;+Q ₀ IS+JI .t-;, :1J11111L78.11)
Weight	:1...-1)1. □ n:1w1.111p .L1 :11111
Glass	I
Encapsulant material	- .1.111_1 _____ n.111q
Backsheet	11C11;aoi
Frame	-r-----L11DO' - 111(1112,'1111" 1 1111 UTA11:IL
J-Box	
Cable	
Connector	1<>1rnJ;11111'

Please refer to regional datasheet for specialized connectors.

Figure 1 displays the Maximum Power Point Tracking (MPPT) characteristics, showing the relationship between Maximum Power (W), Maximum Power Current (A), and Maximum Power Voltage (V) under varying conditions of temperature and irradiance.

The top plot shows Maximum Power (W) versus Maximum Power Current (A) for temperatures ranging from 10°C to 50°C. The power decreases as temperature increases.

The middle plot shows Maximum Power (W) versus Maximum Power Voltage (V) for temperatures ranging from 10°C to 50°C. The power decreases as temperature increases.

The bottom plot shows Maximum Power (W) versus Maximum Power Current (A) for irradiances ranging from 1000 W/m² to 200 W/m². The power decreases as irradiance decreases.

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Phosphoric Acid is a chemical

Growatt 20KW 3PH Inverter

- Converts the solar energy into useable energy (From DC to AC)
- 98.6% efficiency
- Market leading monitoring platform for both desktop and mobile devices
- Dual MPPT trackers to accommodate two strings of solar panels



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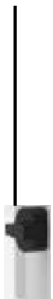


MOD 3000~9000TL3-X

- Max. efficiency 98.6%
- OLEO arnd Touch **button**
- .. Type,II SPD on DC and AC side
- string Monitoring
- .. AFCI optional



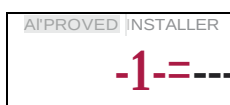
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GRDWATT

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V'i'f!,\1W,gInverter.com



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Where reputation matte.-s

CERTIFIED

RECC
RENEWABLE ENERGY CONSUMER CODE

CERTIFIED



Valk Solar Systems Nordics
+46 7 25 27 00 66
valk.solar@telia.se/valksystems.se

Meters and Accessories

Emlite Generation Meter

- This will record how many kWh's your solar panels produce
- Will flash red when the solar panels are generating



Notes:

- **Subject to client installing cable to rooftops to inverter location**

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We are members of the following:

MCS (Microgeneration Certification Scheme)

NICEIC

Checkatrade

Renewable Energy Consumer Code

Your Warranties

5 Year Workmanship Warranty

15 Year Solar Panels Warranty

10 Year Inverter Warranty

Insurance Backed Guarantee

To Accept this quotation please contact us on...

Office Telephone: 0800 599 9707 (Freephone)

Email: lee.harvey@electech-installations.co.uk

Alternatively, if you have any further questions, please also use the details above.

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