SOLAR AND STORAGE PROPOSAL

Quotation no. 702
Prepared for: Wild Modular
Address: 87 Rocky Waterhole Road, Mount Frome NSW 2850, Australia

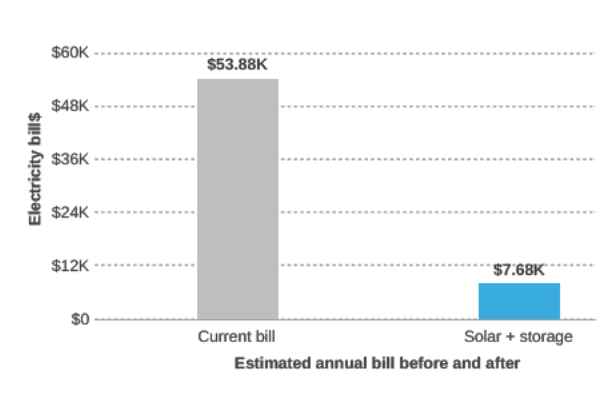
Please review this recommendation to help you gain energy independence, reduce your carbon footprint, and achieve meaningful savings on your energy bills for a more sustainable future.

99.63 kW	89.97 kW	161.2
Solar Array	Inverter AC Power	Battery kWh Capacity

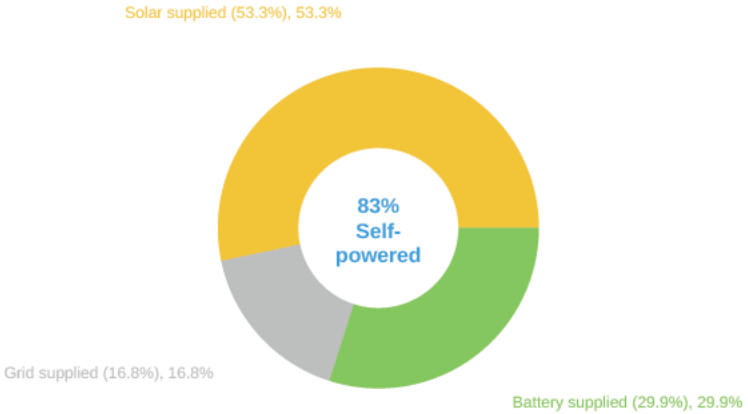
[redacted] admin@remoteoffgridenergy.com.au

CLEAN ENERGY ASSESSMENT

Annual Bill Comparison



Consumption By Source



Solar Panels: 99.6kW

- 162 x **Trina TSM-615NE19R panels** rated at a maximum 99.6 DC output
- Trina panels have a 12 year product warranty with performance guaranteed to 89.4% and a 25 Year linear warranty*

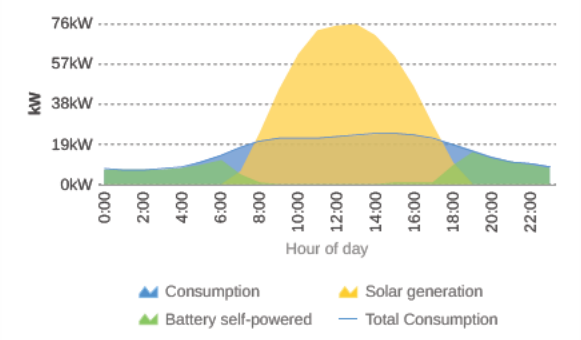
Inverter: 90.0kW Total

- 3 x **Sigenergy Sigen EC 30.0 TP inverter/s with total AC continuous power rating of 90.0 kW**
- 10 year product warranty

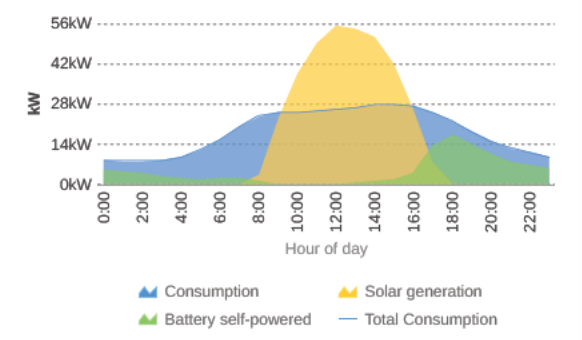
Battery: 156.4kWh Usable

- 20 x **Sigenergy SigenStor BAT 8.0** with a total usable battery capacity of 156.4 kWh (at 97% depth of discharge).
- 10 year product warranty

Avg Daily Energy During Summer



Avg Daily Energy During Winter



Emission Reduction

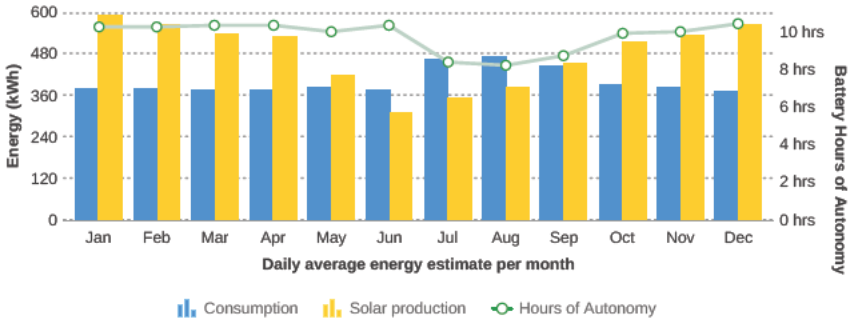
80
tonnes CO_2-e each year

259.7
less fossil fuel cars driven for one year

19,541
equiv. trees grown for 10 years

Consumption Vs Solar Production

This chart compares your current bill cost vs estimated payments if taking up this offer.



Net cost of solar power	Comparison utility rate
$0.07 c/kWh	$0.37 c/kWh

Return On Investment Chart

This chart tracks the year-to-year repayments on your investment in renewables.

Bill Comparison

Electricity Charges	Daily supply charges: 165.4c; Energy charges: 36.5c/kWh; Export credit: 10c /kWh;
Key Assumptions	Electricity tariff escalation rate: 7% p.a., Panel avg. shade derating 0.0%, Panel efficiency loss in year 2: 1.00%; Degradation loss in subsequent years: 0.40%; Solar export limit Solar export limit: 15kW; kW

Year To Year Return On Investment Analysis

Year	Generation (kWh)	'Do nothing' cost	Annual bill saving	Capital investment	Potential cashflow
1	174,944	$53,882	$46,204	$175,372	-$129,168
2	173,195	$57,654	$49,307	$0	$49,307
3	172,502	$61,690	$52,628	$0	$52,628
4	171,812	$66,008	$56,181	$0	$56,181
5	171,125	$70,629	$59,983	$0	$59,983
6	170,440	$75,573	$64,051	$0	$64,051
7	169,758	$80,863	$68,404	$0	$68,404
8	169,079	$86,523	$73,061	$0	$73,061
9	168,403	$92,580	$78,044	$0	$78,044
10	167,729	$99,061	$83,377	$0	$83,377
11	167,058	$105,995	$89,082	$0	$89,082
12	166,390	$113,415	$95,187	$0	$95,187
13	165,725	$121,354	$101,719	$0	$101,719
14	165,062	$129,848	$108,708	$0	$108,708
15	164,401	$138,938	$116,187	$0	$116,187

Cashflow table assumptions

All amounts are exclusive of sales tax. Possible sales tax credits, tax deductions including depreciation have not been assumed.

The 'Do Nothing' scenario is an estimation of your ongoing electricity costs should you not take up this offer, and assuming an annual tariff escalation rate of 7.0% at your estimated current usage. Export earnings relate to any solar export credit and may be subject to network operator approval. No export limit has been applied. A feed-in tariff rate of 10c/kWh is applied.

Electricity Charges	Daily supply charges: 165.4c; Energy charges: 36.5c/kWh; Export credit: 10c /kWh;
Key Assumptions	Electricity tariff escalation rate: 7% p.a., Panel avg. shade derating 0.0%, Panel efficiency loss in year 2: 1.00%; Degradation loss in subsequent years: 0.40%; Solar export limit Solar export limit: 15kW; kW

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QUOTE ACCEPTANCE

Quotation No. 702

To: Wild Modular

Address: 87 Rocky Waterhole Road, Mount Frome NSW 2850, Australia

Date created: 2 June 2025

Valid until: 22 June 2025

Estimated Installation Date: 2 July 2025

Item	Quantity	Unit price	Item total
Battery System Install and Commission	1	$9,770.59	$9,770.59 *
Install of Solar System	162	$210.00	$34,020.00 *
Sigenergy Sigen Energy Gateway HomeMax TP 30K	1	$1,887.60	$1,887.60 *
Ground mount kit	162	$211.36	$34,240.32 *
Sigenergy Sigen EC 30.0 TP	3	$6,072.00	$18,216.00 *
Trina TSM-615NE19R	162	$135.00	$21,870.00 *
Sigenergy SigenStor BAT 8.0	20	$4,358.40	$87,168.00 *

	Retail price:	**$207,172.51**
Solar STC incentives - 826 STCs @ $35.00 + GST $2,891.00		-$31,801.00
	Total GST:	$20,717.25
	Net investment ex. GST:	**$175,371.51**
	Total price:	**$196,088.76**

	Due date	Amount
Payment 1 of 2	Quote Approval	$98,044.38
Payment 2 of 2	Install Date + 7 days	$98,044.38

Quote Acceptance

I agree to the Terms and Conditions of this quote

Accept Online

Name:

Signed:

Date:

SUNCORP
Remote Offgrid Energy
BSB:484-799
ACC:154950534

Quote Terms and Conditions

Our agreement with you is defined by the Quotation and the Terms and Conditions below and is binding on you. Please read them carefully to ensure that you understand and are prepared to agree to these terms.

Parties

"We", "Us", "Company" means REMOTE OFFGRID ENERGY Pty Ltd.
"You" means the person who Agreements with us named in the Quotation.

Definitions

"Agreement" means the contracted agreement including the Quotation and Terms and Conditions formed between You and Us in relation to the Installation;
"Completion" means the Installation of the System at the Property and the demonstration to you or agreed parties of the operational availability of the System in accordance with the Quotation, notwithstanding any minor faults which do not affect the operational availability of the system, which are to be corrected as soon as practicable after completion.
"Deposit" means the sum specified in the Quotation as payable upon acceptance;
"Force Majeure Event" means any event outside our control;
"Installation" is the standard installation of the system components and interconnection;
"Liability" means actions, awards, costs or damages, expenses, loss of income, penalties or any other losses direct or indirect;
"System" means the energy system agreed to be installed by Us at your property as detailed in the Quotation;

1. Consent Of Authorising Party

1.1 By acceptance of this Quotation, you are confirming that you are the owner or a person authorised to act on behalf of the owner and that any co-owners have consented to the Installation.
1.2 The Quotation provided includes details of the pricing, payment terms, along with a site-specific full system design and performance estimate.

2. Pricing

2.1 The pricing set out in this Quotation is providing to the best of our knowledge as a Standard Installation.
2.2 Should further information in the course of installation reveal that it is a Non-Standard Installation, additional fees may be required and you will be notified of any such cost. This may occur due to requirements for electrical switchboard repairs or upgrade, issues with integrity of roof or mounting surfaces, unforeseen access difficulties or other such impediments to a Standard Installation.
2.3 If we notify you in writing that the price is being increased you must reply in writing within 4 weeks stating either you accept the increase or that you wish to cancel the Agreement. If you fail to notify us within 4 weeks that you accept the increase in price, this Agreement will be cancelled.
2.4 In the event that this Agreement is cancelled in accordance with this clause your deposit will be returned to you but cancellation will be without further Liability attaching to either party.
2.5 The deduction of any rebate amount identified on the Quotation is pending the your eligibility and acceptance into the specific scheme.

3. Payment

3.1 Payment of a deposit is required upon acceptance of this Agreement.
3.2 You may cancel this Agreement within 10 business days of signing this Agreement with full refund of this deposit.
3.3 You acknowledge and agree to your obligation for full payment according to the payment terms set out herein.
3.4 You acknowledge that We may be required to obtain goods from interstate or overseas to satisfy the order comprised by this Agreement and as a consequence enter into binding irrevocable undertakings to acquire the goods.
3.5 The deposit is forfeited if this Agreement is terminated due to a default on your part.
3.6 If You fail to pay any amount that is due and payable under this Agreement, We will be entitled to interest on the unpaid amount (both before and after judgment) at the rate applicable to judgment debts together with any costs associated with the collection thereof including, without limitation, any legal costs.
3.7 The Total Price as stated in the Quotation was based on information supplied by you. If either party ascertains that the Information was materially inaccurate to such an extent that additional costs would exceed 5% of the Total Price, then this Agreement may be deemed invalid and result in a revision of the Total Price. Should a revised Agreement be reached, either party may terminate this Agreement by giving 5 days written notice to the other party.

4. Renewable Energy Certificates

Renewable Energy Certificates are created when eligible renewable energy generators are installed with the number of certificates dependent on system PV size, location, number of years of generation until 2030.. These may be created under the STC or LGC scheme and are traded on an open market where prices fluctuate, with all certificates recorded in the REC Registry. There is no guarantee on how long they will take to sell. For more detail visit http://www.cleanenergyregulator.gov.au/RET/Scheme-participants-and-industry/Agents-and-installers/Small-scale-technology-certificates

4.1 You authorise us to sign and apply for REC certificates in your name and for Us to trade or receive payment for these RECs on our behalf. A discount is made off the installation price of the Quotation in respect to the currently offered tradable value of these certificates to arrive at the Total Payable amount.
4.2 You agree to provide all information that is required for REC applications and to sign authorising documents for such certificates.
4.3 If the value of the REC Credit at the time of installation varies from the value shown in the quote by greater than 5%, you acknowledge that the Total Payable Price can be adjusted accordingly to ensure complete payment of the system price.

5. Authority To Install

5.1 You are responsible for any required local government planning, building, or heritage approvals. The Company accepts no liability for any breach of local planning regulation.

6. Connection Application

6.1 This Agreement may be subject to an approval process with your Electricity Network Provider. You agree to provide any information and approval to enable the Company to make such application on your behalf. In the event that no approval can be obtained to connect to the electricity grid (for a grid-connected system) you have the right to terminate this agreement.

7. Access

7.1 You agree to provide sufficient and appropriate access to Us (and our employees, agents, or Agreementors) as maybe required to effect the Installation.
7.2 You agree to ensure that the Property is kept clear and allow access to enable work to be carried out at all reasonable times including at weekends and on public holidays and to permit, without charge, access to an electricity supply on site.

8. Installation

8.1 We will deliver the System detailed in the Quotation subject to any variations as may be required, which will require the written consent of both parties prior to installation or be entitled to a refund if you do not accept.
8.2 We undertake to ensure that the System is installed in a good and tradesman like manner, by persons who are duly trained, licensed and registered for the work to be performed, and where applicable accredited for Installation by the Clean Energy Council and other regulatory bodies. We also undertake to ensure components are installed in accordance with any prevailing legislative or regulatory requirements and to the appropriate Australian Standards.
8.3 The estimated date for the Installation will be given upon acceptance of this quote. This date is subject to approvals, delivery of components, weather, and other logistical considerations and is not a condition of this Agreement. However we will use reasonable efforts to work to this timeframe and negotiate any scheduling changes as may be required.
8.4 Following completion of the Installation, you will be asked to sign an acknowledgement that the Installation has been completed and that you have been told how the System operates and informed of the shutdown procedure.
8.5 You are advised to contact your electricity retailer pre-installation to confirm what tariffs may apply and post-installation, to confirm that the agreed tariff rates have been applied.

9. Our Right to Terminate

9.1 The Company may terminate this Agreement if:
You fail to comply with the terms of this Agreement
If you cease to own the Property prior to complete installation

10. Your Right to Terminate

10.1 You may terminate this Agreement and be entitlted to a full refund upon request in any of the following circumstances:

- In the event that no approval can be obtained from the Distributor to connect to the electricity grid prior to installation (for a grid-connected system)
- If you receive the system design and performance estimate outside of any cooling off period and you do not consent to the design.
- If there are additional charges beyond the quoted price and you do not agree to the charges (E.g. if switchboard upgrades are required)
- If the final system design is significantly different to that which was quoted and was not signed off by you.
- If the expected installation timeframe in not honoured, for reasons reasonably within the fontrol of the Company, and you do not agree to a revised timeframe.

11. Defective Products

11.1 In the unlikely event that the System does not conform to the Quotation, please let us know as soon as possible after completion of the Installation. If the issue cannot be resolved by telephone, we will arrange for a representative to attend your Property to determine any problem with the System on a date agreed between You and Us. If our representative determines that the System is faulty, we will arrange for the System to be repaired or replaced, on a date agreed between you and us, at no additional cost to you.

12. Guarantees

12.1 You will, upon completion of the Installation, be provided with a warranty from the Company to cover products, workmanship, operation and performance of the whole PV system for 5 years from the date the installation confirmation is signed by you.
12.2 The company commits to undertake any warranty repairs within a reasonable timeframe and endeavours to attend to assess any fault within 7 days of notification.
12.3 The solar modules are additionally supplied with a manufacturer's product warranty and peak power warranty. The warranty terms will be supplied to you a the time of purchase. The Company may, at its discretion offer one of the following remedies in the event of a successful claim against the module performance warranty; 1) to replace the defective module/s 2) refund the percentage of the cost of the module to the customer representing the percentage of the power output less than 80% of the nameplate power rating. The company endeavours to but is not bound by its commitment to rectify any fault within 14 days of notification.
12.4 The repair, replacement or part refund of the system or any component therein does not cause the beginning of new warranty terms.
12.5 This warranty is transferable only when the product remains installed in its original location as noted in the Quotation. You do not need permission from the Company to transfer this warranty but the Company does need to be informed of such transference.

12.6 The company accepts no liability for any loss of revenue from any energy export tariff or other financial mechanism during the period the system is inoperative due to fault or system failure.
12.7 Your rights under consumer law are maintained and this retailers warranty exists in addition to consumer protections under Australian Consumer Law.

13. Liability

13.1 Our liability for breach of any express or implied condition or warranty is limited, to the extent permitted by law, to the repair or replacement of the relevant System or component.
13.2 We make no representations or warranties to you in connection with any System or their installation, except for those warranties set out in this Agreement and those warranties which cannot be excluded from this Agreement.
13.3 To the maximum extent permitted by law, we have no liability to you for breach of this Agreement other than as set out in the preceding paragraph and, in particular, we have no liability to pay any damages or compensation for breach of the Agreement.

14. Events Outside Our Control

14.1 We will not be Liable or responsible for any failure to perform, or delay in performance of, any of our obligations under these terms and conditions that is caused by a Force Majeure Event.
14.2 Our obligations under these terms and conditions are suspended for the period that the Force Majeure Event continues, and we will have an extension of time to perform these obligations for the duration of that period. We will take reasonable steps to find a solution by which our obligations under these terms and conditions can be performed despite the Force Majeure Event.

15. Complaints Procedure

While we always aim to provide you with excellent customer service, if you haven't received the service you expected, you have the right to make a complaint.
A complaint means an expression of dissatisfaction made to us in relation to our products or the complaints handling process itself, where you expect a resolution. Contacting us to request technical support or to report a service issue is not necessarily a complaint. Where it's not clear to us, we'll ask you to confirm that you wish to make a complaint.
During the course of your complaint, we will treat you with fairness and courtesy and will provide a fair and reasonable outcome to all parties involved. Our complaints process is designed to encourage the fast and efficient resolution of your issue at the first point of contact.
15.1 Warranty performance or any other grievance can only be settled by sending an email or letter outlining the cause of the claim to the Company.
15.2 All complaints will be recorded and the Company will confirm its receipt of such notice, in writing, including a reference for all subsequent communication. Contact us if you have not received a receipt within 7 days.
15.3 The Company will provide feedback on the outcome of complaints within 21 days of receipt of the notice. If required, the Company will keep you informed of the need for additional time and complete our investigation within 45 days from the receipt of a complaint.
15.4 If our Customer Service team is not able to resolve your complaint in the first instance, your complaint will be escalated to a supervisor or team manager for further assistance. If at any stage of the process, you're not happy with the progress or proposed resolution of a complaint or you want to know more about your options to pursue a complaint further, we will advise you of your option to reasonably request to have your complaint escalated to a supervisor of Customer Relations or your options for external dispute resolution.
15.5 Please lodge any complaint in writing or via email to provide us with an accurate record and address your complaint to Customer Service Compliance Officer at:
Email to: admin@remoteoffgridenergy.com.au
Post to: 22 rainforest way, Lennox Head N.S.W 2478
BUSINESS ADDRESS
15.6 External Complaints: If you are not satisfied with our handling of your concerns, you can contact the fair trading or consumer affairs department in your state.

ACT: Office of Regulatory Services
Phone: (02) 6207 3000

NSW: Fair Trading NSW
Phone: 13 32 20

NT: Consumer Affairs
Phone: 1800 019 319

QLD Office of Fair Trading
Phone: 13 74 68

SA: Consumer and Business Services
Phone: 13 18 82

TAS: Consumer Building & Occupational Services
Phone: 1300 654 499

VIC: Consumer Affairs Victoria
Phone: 1300 558 181

16. Your Personal Information

16.1 We will request personal information from you for the purposes of fulfilling this Agreement. Such information may be required for connection applications and applications for Renewable Energy Certificates.
16.2 We may be required to disclose this information to Government authorities, REC agents, and Agreementors.
16.3 By accepting this agreement, you consent to the Company collecting, using and disclosing this information as set out in this agreement.

17. System Documentation and Measure of Performance

17.1 Upon Installation completion and commissioning of the System we will provide System Documentation including all relevant information on the System, components and its maintenance.
17.2 The Company commits to advise the owner, upon commissioning fo the system, how to measure energy output either through demonstration, written instruction, or through a monitoring solution where included with the system.

18. CEC Approved Retailer Program Code of Conduct

18.1 The Company is a member of the Clean Energy Council's Approved Retailer Program and must comply with this Code of Conduct.
18.2 Pursuant to this Code, any requirement to provide a document or information in writing can be met in electronic form, or to provide a signature can be met in electronic or verbal form.

19. Governing Law

19.1 This Agreement is governed by the laws of Victoria.

Performance / Financial Disclaimer

This document contains an performance estimate of potential energy yields and simulated savings benefits provided by an independent source (SolarPlus provided by Solaris Pty Ltd). Solaris does not accept any liability if these estimates are not met.

Please note this assessment:

- Is of a general nature, and may contain 'typical' values in order to provide a reasonable simulation;
- Is based on information provided by you and subject to our best interpretation of that information;
- is not provided as a guarantee of the exact level of output of the system as variations may occur
- Can not reflect variability in actual energy use which may have a significant impact on savings potential
- Can in no way be consider financial advice and does not substitute professional financial advise in terms of an investment decision

REMOTE OFFGRID ENERGY Pty Ltd warrants the approximate performance of the system for the first five years from installation.

SIGENERGY

Sigen Energy Controller

5.0 – 30.0 kW Three Phase

- EMS inside for precise control
- Up to 4 MPP. trackers
- Multi-source black start
- On & off-grid compatibility
- DC/AC ratio up to 1.6
- IP66 system protection rating

Sigen Energy Controller 5.0-30.0 kW Three Phase [1]

SigenStor EC	5.0 TP	6.0 TP	8.0 TP	10.0 TP	12.0 TP	15.0 TP	17.0 TP	20.0 TP	25.0 TP	30.0 TP	Units
DC Input (from PV)											
Max. PV power	8000	9600	12800	16000	19200	24000	27200	32000	40000	48000	W
Max. DC input voltage	1100										V
Nominal DC input voltage	600										V
Start-up voltage	180										V
MPPT voltage range	160 ~ 1000										V
Number of MPP. trackers	2			3			4				
Number of PV strings per MPPT	1										
Max. input current per MPPT	16										A
Max. short-circuit current per MPPT	20										A
AC Output (on-grid)											
Nominal output power	5000	6000	8000	10000	12000	15000	17000	20000	25000	30000	W
Max. output apparent power	5500	6600	8800	11000	13200	16500	18700	22000	27500	33000	VA
Nominal output current	7.6	9.1	12.2	15.2	18.2	22.8	25.8	30.4	38.0	45.5	A
Max. output current	8.4	10.0	13.4	16.7	20.1	25.1	28.4	33.4	41.8	50.0	A
Nominal output voltage	380 / 400										V
Nominal grid frequency	50 / 60										Hz
Power factor	0.8 leading ~ 0.8 lagging										
Total current harmonic distortion	THDi < 2%										
Efficiency											
Max. efficiency	98.1%	98.2%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.3%	98.4%	
European efficiency	96.1%	96.6%	97.1%	97.5%	97.7%	97.9%	97.9%	97.9%	98.0%	98.0%	
AC Output (backup)											
Peak output power (10 seconds)	7500	9000	12000	15000	18000	22500	25500	30000	30000	36000	W
Nominal output voltage	380 / 400										V
Nominal output frequency	50 / 60										Hz
Power factor	0.8 leading ~ 0.8 lagging										
Total voltage harmonic distortion	THDv < 2%										
Disruption time of backup switch [2]	0										ms
Battery Connection											
Battery module models	SigenStor BAT 5.0 / 8.0										
Number of modules per controller	1 ~ 6										pcs
Battery module voltage range	600 ~ 900										V
Protection											
Safety protection feature	DC reverse polarity protection, Insulation monitoring, Residual current monitoring, Arc fault circuit interrupter [3], AC overcurrent/overvoltage/short-circuit protection. Type II DC/AC surge protection, Anti-islanding protection										
General Data											
Dimensions (W / H / D)	700 / 300 / 260										mm
Weight	36										kg
Storage temperature range	-40 ~ 70										°C
Operating temperature range	-30 ~ 60										°C
Relative humidity range	0% ~ 95%										
Max. operating altitude	4000										m
Cooling	Smart air cooling										
System ingress protection rating	IP66										
Communication	WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)										
Standard Compliance											
Standard [4]	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 61000-6-1, IEC/EN 61000-6-2										

1. Sigen Energy Controller 30.0 kW Three Phase is only available in specific regions. Please contact Sigenergy or local distributors for details.
2. This refers to the load-side disruption time, to achieve this functionality Sigen Energy Gateway needs to be used together with Sigen Energy Controller and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the home loads.
3. This is an optional feature only supported in certain models, please contact Sigenergy for more information.
4. For all standards refer to the certificates category on the Sigenergy website.

Vertex N

N-type i-TOPCon BACKSHEET

MONOCRYSTALLINE MODULE

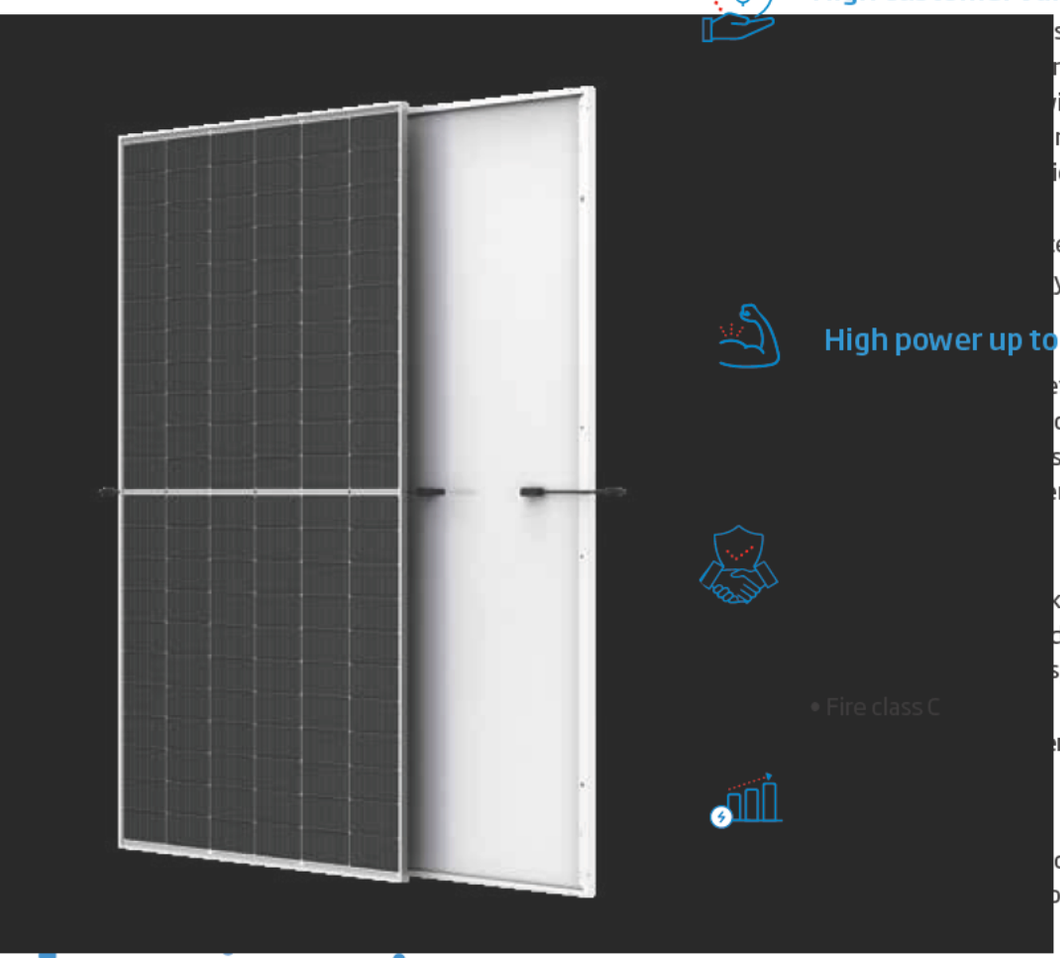
PRODUCT: TSM-XXXNE19R

POWER RANGE: 595-625W

625W
MAXIMUM POWER OUTPUT

0~+5W
BINNING TOLERANCE

23.1%
MAXIMUM EFFICIENCY



High customer value

size with flagship module power, 30W higher
ntional technology
ith higher string power, effectively reducing BOS
nd LCOE (Levelized Cost of Energy) by 1%~5%
io, especially C&I, residential, and ground

e utilization effectively reduces the freight cost
y with existing mainstream system components

High power up to 625W

fficiency, on 210 innovative platform
chnology with continuous efficiency improvement,
stance reduction, rear reflection enhancement and
nt

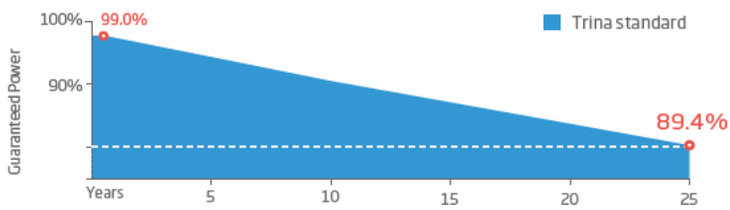
ks with innovative non-destructive cutting
density packaging
spot with half-cut technology

• Fire class C

nvironments and extreme weather conditions

on performance, validated by 3rd party
efficient (-0.29%/°C)

Trina Solar's Backsheet Performance Warranty



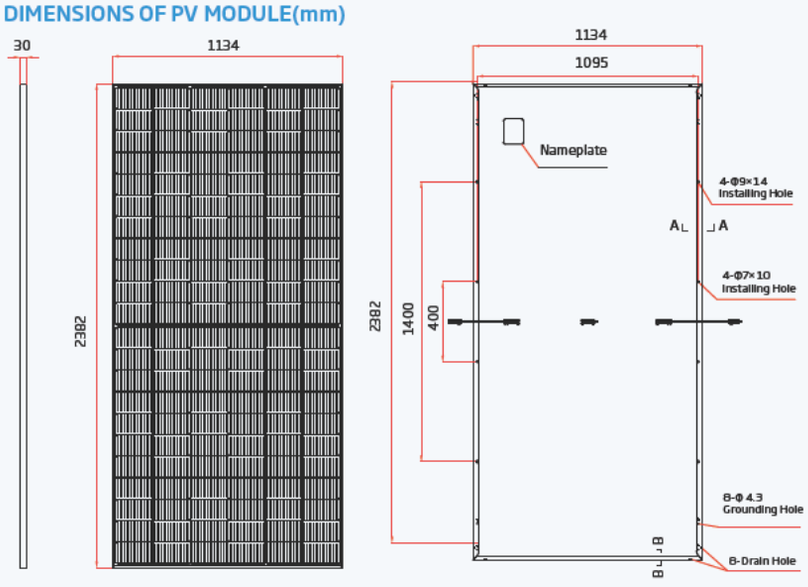
Comprehensive Products and System Certificates

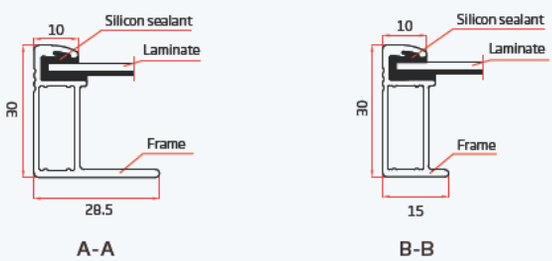
IEC61215/IEC61730/IEC61701/IEC62716/UL61730
ISO 9001: Quality Management System
ISO 14001: Environmental Management System
ISO14064: Greenhouse Gases Emissions Verification
ISO45001: Occupational Health and Safety Management System

Trinasolar

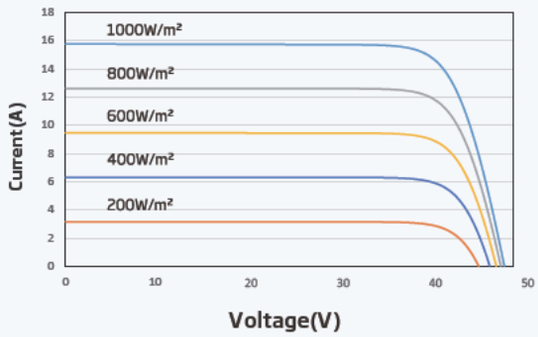
Vertex N-type i-TOPCon backsheet MONOCRYSTALLINE MODULE

DIMENSIONS OF PV MODULE(mm)

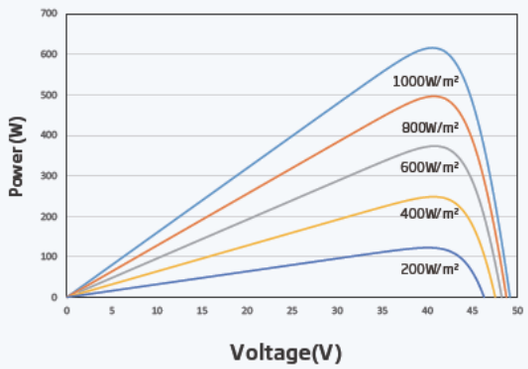




I-V CURVES OF PV MODULE(610W)



P-V CURVES OF PV MODULE(610 W)



ELECTRICAL DATA (STC) TSM-XXXNE19R(XXX=595-625)

Peak Power Watts-P_{MAX} (Wp)*	595	600	605	610	615	620	625
Binning Tolerance-P_{MAX} (W)	0 ~ +5						
Maximum Power Voltage-V_{MPP} (V)	40.0	40.3	40.5	40.8	41.1	41.4	41.6
Maximum Power Current-I_{MPP} (A)	14.89	14.91	14.94	14.96	14.98	14.99	15.00
Open Circuit Voltage-V_{OC} (V)	48.1	48.4	48.7	49.0	49.3	49.6	49.8
Short Circuit Current-I_{SC} (A)	15.76	15.80	15.83	15.86	15.89	15.91	15.93
Module Efficiency η_m (%)	22.0	22.2	22.4	22.6	22.8	23.0	23.1

ELECTRICAL DATA (NOCT)

Maximum Power-P_{MAX} (Wp)	454	459	462	466	470	474	477
Maximum Power Voltage-V_{MPP} (V)	37.6	37.9	38.1	38.3	38.6	38.8	39.0
Maximum Power Current-I_{MPP} (A)	12.07	12.11	12.13	12.16	12.19	12.20	12.21
Open Circuit Voltage-V_{OC} (V)	45.7	46.0	46.2	46.5	46.8	47.1	47.3
Short Circuit Current-I_{SC} (A)	12.69	12.73	12.75	12.78	12.80	12.82	12.84

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	N-type i-TOPCon Monocrystalline
No. of cells	132 cells
Module Dimensions	2382×1134×30 mm (93.78×44.65×1.18 inches)
Weight	27.9kg (61.51 lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant material	POE/EVA
Backsheet	White
Frame	30mm(1.18 inches) Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm² (0.006 inches²) Portrait: 350/280 mm(13.78/11.02 inches) Length can be customized
Connector	Stäubli MC4 EV02

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	43°C (±2°C)
Temperature Coefficient of P_{MAX}	- 0.29%/°C
Temperature Coefficient of Voc	- 0.24%/°C
Temperature Coefficient of Isc	0.04%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	30A

WARRANTY

12 year Product Workmanship Warranty

25 year Power Warranty

1% first year degradation

0.4% Annual Power Attenuation

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 36 pieces

Modules per 40' container: 720 pieces

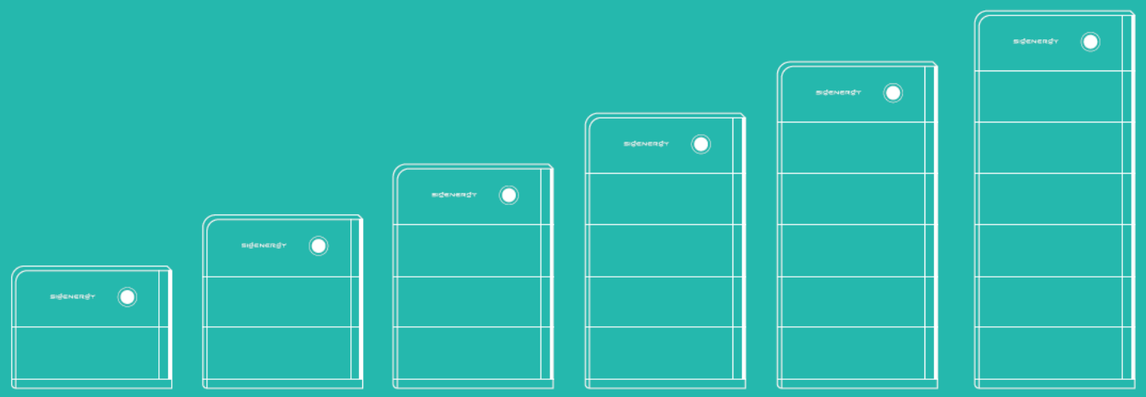
Trinasolar

CAUTION: READ SAFETY AND INSTALLATION INSTRUCTIONS BEFORE USING THE PRODUCT.

Version number: TSM_EN_2024_Aus_A
Country of Origin: China

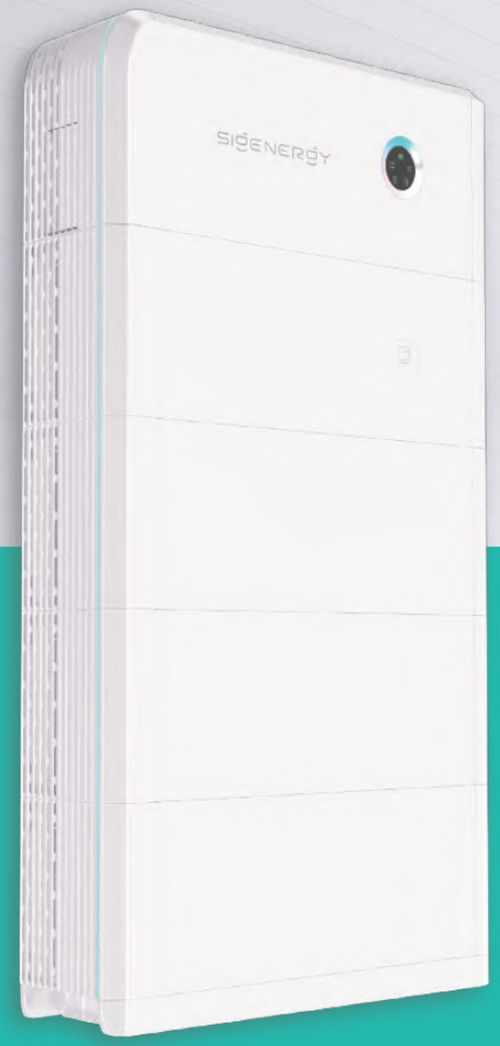
www.trinasolar.com

1. Test conditions: 100% depth of discharge, 0.2C rate charge & discharge averagely at 25°C.
2. The combination of SigenStor BAT 8.0 and SigenStor EC single phase as example.



SigenStor

ENJOY GREEN ENERGY



- Sigen Energy Controller
- Sigen EV DC Charging Module
- Sigen Battery

Let numbers talk
Sigenergy is raising industry standards

15 mins — stackable installation
5 layers — battery protection
280 Ah — long cycle-life battery cell
0 ms — switchover time
5 mins — fast commissioning
4 layers — system protection
V2X — bi-directional charging
1-click — full system diagnosis

Simple · Versatile · Robust · Intelligent

www.sigenergy.com

Sigen Energy Controller 3.0-6.0 kW Single Phase

SigenStor EC	3.0 SP	3.6 SP	4.0 SP	4.6 SP	5.0 SP	6.0 SP	Units
DC Input (from PV)							
Max. PV power	6000	7360	8000	9200	10000	12000	W
Max. DC input voltage	600						V
Nominal DC input voltage	350						V
Start-up voltage	100						V
MPPT voltage range	50 ~ 550						V
Number of MPP. trackers	2						
Number of PV strings per MPPT	1						
Max. input current per MPPT	16						A
Max. short-circuit current per MPPT	20						A
AC Output (on-grid)							
Nominal output power	3000	3680	4000	4600	5000	6000	W
Max. output apparent power	3300	3680	4400	5000	5500	6600	VA
Nominal output current	13.6	16.0	18.2	20.9	22.7	27.3	A
Max. output current	15.0	16.0	20.0	22.7	25.0	30.0	A
Nominal output voltage	220 / 230 / 240						V
Nominal grid frequency	50 / 60						Hz
Power factor	0.8 leading ~ 0.8 lagging						
Total current harmonic distortion	THDi < 2%						
Efficiency							
Max. efficiency	98.0%						
European efficiency	97.0%	97.1%	97.2%	97.3%	97.4%	97.4%	
AC Output (backup)							
Peak output power (10 seconds)	4500	5520	6000	6900	7500	9000	W
Nominal output voltage	220 / 230 / 240						V
Nominal output frequency	50 / 60						Hz
Power factor	0.8 leading ~ 0.8 lagging						
Total voltage harmonic distortion	THDv < 2%						
Switch time to backup mode [1]	0						ms
Battery Connection							
Battery module models	SigenStor BAT 5.0 / 8.0						
Number of modules per controller	1 ~ 6						pcs
Battery module voltage range	300 ~ 600						V
General Data							
Dimensions (W / H / D)	700 / 300 / 245						mm
Weight	18						kg
Storage temperature range	-40 ~ 70						°C
Operating temperature range	-30 ~ 60						°C
Relative humidity range	0% ~ 95%						
Max. operating altitude	4000						m
Cooling	Natural convection						
System ingress protection rating	IP66						
Communication	WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)						
Standard Compliance							
Standard [2]	IEC/EN 62109-1, IEC/EN 62109-2, IEC/EN 62477, IEC/EN 61000-6-1, IEC/EN 61000-6-2						

1. Need to be used together with Sigen Energy Gateway and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the home loads.
2. For all standards refer to the certificates category in the Sigenergy website.

Sigen Energy Controller 5.0-25.0 kW Three Phase

Preliminary

SigenStor EC	5.0 TP	6.0 TP	8.0 TP	10.0 TP	12.0 TP	15.0 TP	17.0 TP	20.0 TP	25.0 TP	Units
DC Input (from PV)										
Max. PV power	8000	9600	12800	16000	19200	24000	27200	32000	40000	W
Max. DC input voltage	1100									V
Nominal DC input voltage	600									V
Start-up voltage	180									V
MPPT voltage range	160 ~ 1000									V
Number of MPP. trackers	2			3			4			
Number of PV strings per MPPT	1									
Max. input current per MPPT	16									A
Max. short-circuit current per MPPT	20									A
AC Output (on-grid)										
Nominal output power	5000	6000	8000	10000	12000	15000	17000	20000	25000	W
Max. output apparent power	5500	6600	8800	11000	13200	16500	18700	22000	27500	VA
Nominal output current	7.6	9.1	12.2	15.2	18.2	22.8	25.8	30.4	38.0	A
Max. output current	8.4	10.0	13.4	16.7	20.1	25.1	28.4	33.4	41.8	A
Nominal output voltage	380 / 400									V
Nominal grid frequency	50 / 60									Hz
Power factor	0.8 leading ~ 0.8 lagging									
Total current harmonic distortion	THDi < 2%									
Efficiency										
Max. efficiency	98.4%									
European efficiency	98.0%									
AC Output (backup)										
Peak output power (10 seconds)	7500	9000	12000	15000	18000	22500	25500	30000	30000	W
Nominal output voltage	380 / 400									V
Nominal output frequency	50 / 60									Hz
Power factor	0.8 leading ~ 0.8 lagging									
Total voltage harmonic distortion	THDv < 2%									
Switch time to backup mode [1]	0									ms
Battery Connection										
Battery module models	SigenStor BAT 5.0 / 8.0									
Number of modules per controller	1 ~ 6									pcs
Battery module voltage range	600 ~ 900									V
General Data										
Dimensions (W / H / D)	700 / 300 / 260									mm
Weight	36									kg
Storage temperature range	-40 ~ 70									°C
Operating temperature range	-30 ~ 60									°C
Relative humidity range	0% ~ 95%									
Max. operating altitude	4000									m
Cooling	Smart air cooling									
System ingress protection rating	IP66									
Communication	WLAN / Fast Ethernet / RS485 / Sigen CommMod (4G/3G/2G)									

1. Need to be used together with Sigen Energy Gateway and Sigen Battery. Test conditions: In the open-circuit state of the power grid, the nominal power of the Sigen Energy Controller is higher than the total power of the home loads.

Clenergy
Innovating renewable energy

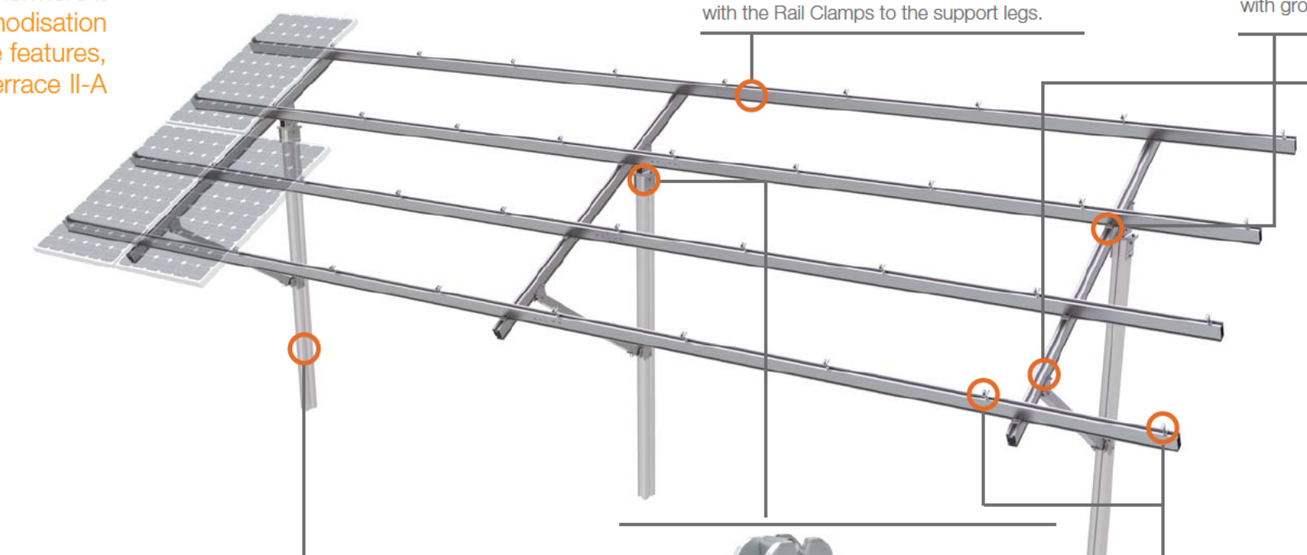
PV-ezRack SolarTerrace II-A

Pre-assembled, durable ground mount frame with ramming

PV-ezRack SolarTerrace II-A

Pre-assembled, durable ground mount frame with ramming

PV-ezRack SolarTerrace II-A is a pre-assembled ground mount system suitable for commercial and utility scale installations. This quality frame is trimmed at every angle for fast deployment reducing labour costs. It was designed with a unique post profile which allows reduced embedment and therefore saves on material and labour. Furthermore it has an industry leading 80µm galvanisation and 10µm anodisation thickness as standard which ensures a long life circle. These features, combined with its high grade of pre-assembly make SolarTerrace II-A one of the best ground mount system you can find.



ER-R-T110

T Rail 110

The rail profile has been specifically developed to achieve larger spans reducing the number of legs to be installed. These have a Z-Module channel for panel mounting and are secured with the Rail Clamps to the support legs.

ER-RC-T

Rail Clamp for T-Rail

Rail-Clamps establish a secure connection between support legs and rails with our patented Z-Module technology. Available with grounding pins for earthing.

ER-S-STIIA

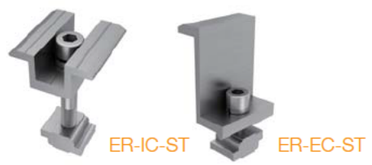
Support

The support legs of the STII-A are completely pre-assembled, they only need to be opened up and secured to the post brace and post head. The positioning rail clamps are already pre-installed**, so you don't need to measure and mark the rail positions anymore. All this is saving valuable time in assembly and logistics, making it one of the fastest system market. Available with double brace for 300W panels.

ER-PH-CP

Post Head

The Post head is designed with sufficient horizontal rotation and vertical adjustments to ensure easy and quick installation. The C-Post allows installation also on uneven ground.



ER-IC-ST ER-EC-ST

Inter and End clamps

The PV-ezRack inter- and end clamps offer a simple, easy to use and robust fixing of the PV panels (all sizes) using the patented Clenergy Z-module. Compatible clamps for thin film modules are available.

ER-CP

C-Post

Our unique C-Post was designed specifically for ramming. As a result it has a unique design, a much larger surface area and has therefore more friction. As a result there is less embedment required than with standard I-beams saving valuable installation time and material. It has an industry leading 80µm galvanisation thickness as standard which ensures a long-life cycle.

Main Benefits

Reduced labour costs

Through our unique, patented component design and pre-assembled supports with pre-installed positioning clamps** labour time and costs are greatly reduced.

Reduced component costs

Our unique C-Post was designed specifically for ramming. This results in an increased friction against up-lift and it therefore requires less embedment as conventional standard posts or I-beams, which reduces not only labour time for ramming but also material costs.

Wide range of adjustments

As ramming can never be done exact on millimetre the Post head is designed with sufficient horizontal rotation and vertical adjustments. This combined with a generous design tolerance levels makes it easy to get the panels perfectly aligned even if the ramming isn't 100%.

Simplicity

Bill of materials can be confusing and complicated. On a basic BOM for STII-A you will only find 9 components, keeping it simple and transparent for all parties to better understand and work with the product.

Available accessories

Grounding/earthing
Cable clips
Cable trays
Inverter/joint box bracket
Rail caps

Contact us or one of our qualified resellers for a personalised quotation today.

10 Year Warranty*

Utility

Commercial

12 Panels per man-hour (ramming excluded)

*see Clenergy PV-ezRack warranty for further details
**available for direct shipments larger than 250kW

Clenergy
Innovating renewable energy

Image: 39MW in California

Worldwide network

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10 Year Warranty*