

An effective solar system can reduce electricity costs by up to \$3,000 per annum and will last for up to 20 years. These ranges of solar packages below will provide the best combination of performance, reliability and value for money. They are also currently heavily subsidised with Government rebates, making the installed cost a fraction of the true value.

5kW Solar System - Single Phase Power - 16 Panels



Link Energy Solar Panels
315kW Jupiter Link
10 year Warranty



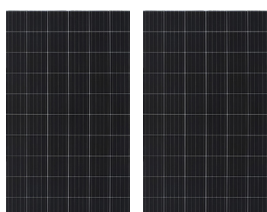
Solis Inverter 5kW
Solis 1P(2.5-6)k-4G
10 year Warranty



Monitoring via
App and Wifi

**Upgrade for
only \$3,500
Supply and
Installed**

10kW Solar System - Three Phase Power - 32 Panels



Link Energy Solar Panels
315kW Jupiter Link
10 Year Warranty



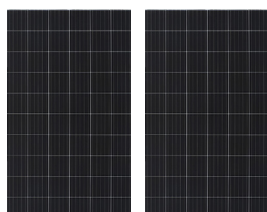
Solis Inverter 10kW
Solis 3P(5-10)k-4G
10 year Warranty



Monitoring via
App and Wifi

**Upgrade for
only \$7,500
Supply and
Installed**

15kW Solar System - Three Phase Power - 48 Panels



Link Energy Solar Panels
315kW Jupiter Link
10 Year Warranty



Solis Inverter 15kW
Solis 3P(15-20)k-4G
10 year Warranty



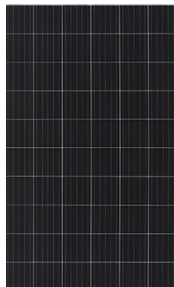
Monitoring via
App and Wifi

**Upgrade for
only \$11,000
Supply and
Installed**

www.link-energy.com.au/product/jupiter-series/
<https://www.ginlong.com/Uploads/file/7167b52f91f-404c5576e3a5317d25fe8.pdf>

Specifications and Features

315kW Jupiter Link Features



- Purposely designed crystal pattern
- Aesthetic appearance
- High performance Poly Cells
- 5BB to suit low light conditions
- 35mm Anodized Aluminium Alloy Frame
- Self-Clean Glass Surface* (at min 10-degree pitch)
- IP67 Junction Box
- CEC approved for government rebate in Australia
- Fire rated for rooftop installation



www.link-energy.com.au/product/jupiter-series/

Solis Inverter K-4G-AU



Features

- Energy efficiency data is based on ordinary operational conditions
- Engineered to deliver long and reliable service
- Designed for functionality yet has a contemporary finish
- Locally supported industry standard 5 year 'out of the box' warranty
- You have the option of purchasing plus 5 years, for an extended 10 year warranty

www.ginlong.com/Uploads/file/7167b52f91f404c5576e3a5317d25fe8.pdf



EPM
Export Power
Manager



WI-FI/GPRS
real time
monitoring



HF Switch
High
frequency switch



Ingress
Protection
IP65

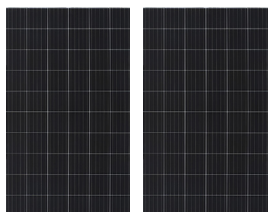


App Store
IOS / Android



AFCI
optional

Optional Upgrade - Tesla Powerwall - 20 Panels



Link Energy Solar Panels
315kW Jupiter Link
10 Year Warranty



Solis Inverter 5kW
Solis 1P (2.5-6)k-4G
10 year Warranty



Monitoring via
App and Wifi



TESLA



Tesla Powerwall re-chargeable
10 Year Warranty

Tesla App
Monitoring

Upgrade for only \$21,799
Supply and Installed

FAQ - Frequently Asked Questions

What is the FiT (Feed-in Tariff)?

Another form of incentive you may receive as a Queensland resident is a solar feed-in tariff. The feed-in tariff, or solar buyback, is the amount you receive for every kWh of power your system exports back to the grid. Typically, rates range from 8 – 12 cents. If you live in South East Queensland, your feed-in tariff is set by your electricity retailer.

Does all of my solar go back to the grid?

No, some of the solar you produce is used as you make it. This power usage is not shown on your electricity bill, it goes directly from solar, to being used in your home. It is recorded on the inverter's digital display.

What is the difference between Single Phase Power and Three Phase Power?

Comparing single phase versus three phase power, three phase power supplies are more efficient. A three phase power supply can transmit three times as much power as a single phase power supply, while only needing one additional wire (that is, three wires instead of two). Typically single phase power produces only 5kw per phase.

Can I have a larger system than standard?

Though the grid only allows 5kW, 10kW, 15kW, we try to install as many panels as possible on a roof to oversize the system to assist with efficiency.

Which is the best position of my roof for solar panels?

Ideal positioning would be north for optimal solar yields, followed by east and west.

What if my roof is not optimal and are shadows a problem?

If your roof is not in an ideal position, the solar panels can be positioned at an angle, at an extra cost.

Can I bill tenants for solar power?

Yes, the power can be billed to tenants, however that needs to be organised at time of the lease. Speak with the property manager on how to establish this.

What about Batteries?

At the moment batteries cost more to buy than they will ever produce in electricity, but we anticipate in the next 5 years this will change. All our systems are battery ready for future use, should you wish to upgrade.



Is there an option to upgrade the inverter?

Yes. We recommend a Fronius inverter for their high quality and proven reliability. \$500 for 5kW - \$1500 for 15kW

Is there an option to upgrade the panels?

Yes. We recommend Jinko solar panels for good reliability and competitive pricing for a cost effective choice. \$500 for 5kW - \$1500 for 15kW



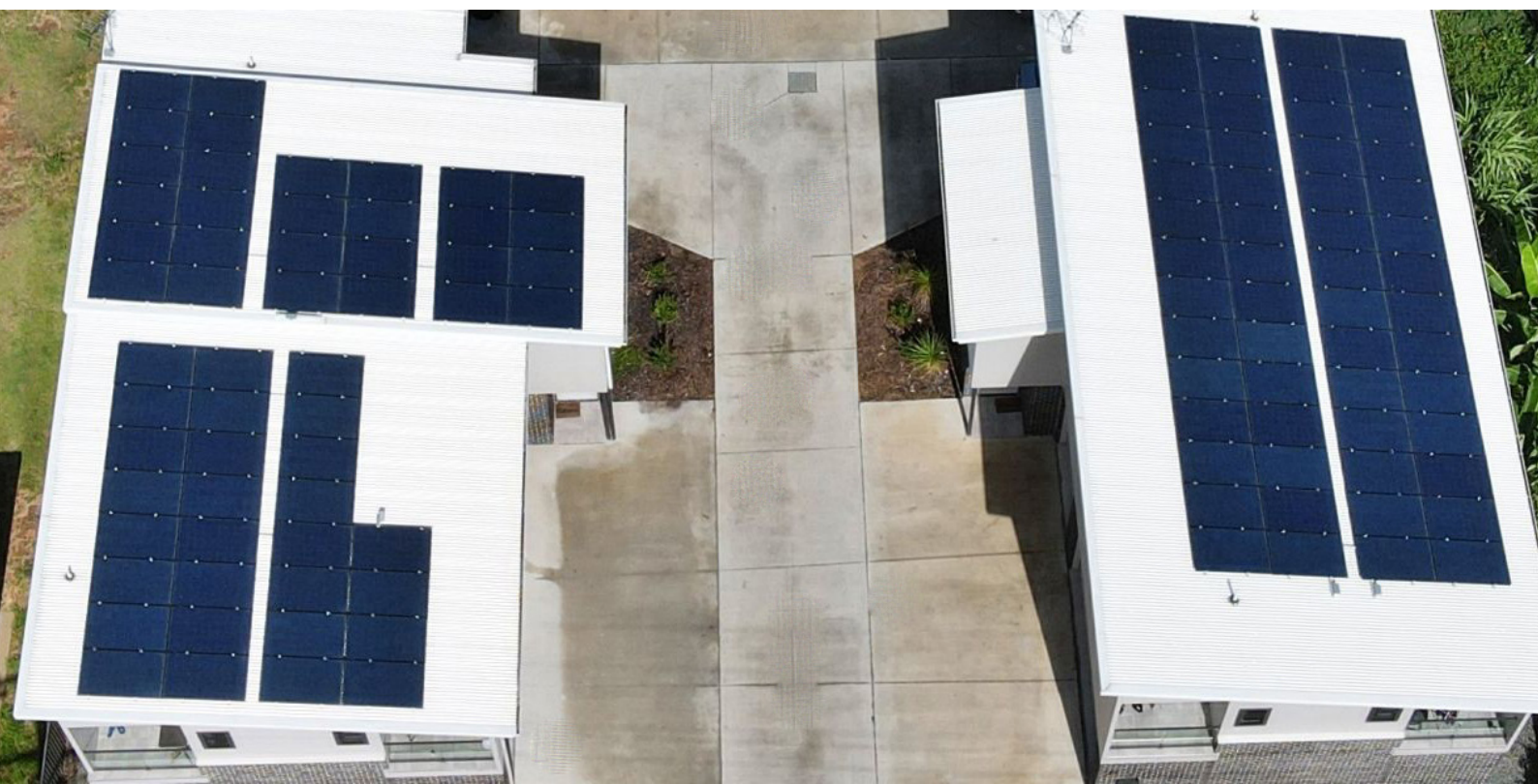
How does the solar rebate system work in Queensland?

If you live in Queensland, you can receive a solar panel rebate from the Australian Government.

Any purchase of solar panels may qualify for the rebate so long as the modules receive approval by the Clean Energy Council and a CEC accredited installer performs the installation.

Under this scheme, electricity retailers pay eligible customers in Queensland a feed-in tariff (FiT) for their unused solar power that they export to the grid. That exported power translates to a credit on the customer's electricity bill.

The solar rebate in Queensland can reduce the cost of your solar panels by up to a third. The rebate that you receive varies according to the size of your solar system and your location in Queensland. This rebate is currently on hold in Queensland.



3P 4G

5kW
-
20kW

4G NEW

Solis 3P 4G Three Phase Inverter

- ▶ Solis 4G Three Phase Range
- ▶ 160V-850V MPPT voltage range-ultra low startup
- ▶ Dual MPPT design with precise MPPT algorithm
- ▶ THDi<1.5%, low harmonic distortion against grid
- ▶ Over 98.7% Max. efficiency
- ▶ RS485, WiFi/LAN/GPRS (optional) interface
- ▶ Multiple protections levels
- ▶ WiFi monitoring available-iphone and android app available
- ▶ 5 years standard (extendable up to 20 years)



Model:

Solis-3P5K-4G-AU

Solis-3P6K-4G-AU

Solis-3P8K-4G-AU

Solis-3P9K-4G-AU

Solis-3P10K-4G-AU

Solis-3P12K-4G-AU

Solis-3P15K-4G-AU

Solis-3P17K-4G-AU

Solis-3P20K-4G-AU

Features:

THDi

<1.5%

IP65

Weight

18.9kg

AFCI

Optional

WiFi/GPRS

Real time
monitoring

Available on the iPhone
App Store

Available on the Android
App Store

Datasheet

Model	Solls-3P5K-4G-AU	Solls-3P6K-4G-AU	Solls-3P8K-4G-AU	Solls-3P9K-4G-AU	Solls-3P10K-4G-AU	Solls-3P12K-4G-AU	Solls-3P15K-4G-AU	Solls-3P17K-4G-AU	Solls-3P20K-4G-AU
Energy Source	PV								
Input Side(DC)									
Max. DC input power(kW)	10	12	12	13.5	15	18	22.5	24	24
Max. DC input voltage(V)	1000								
Start-up voltage(V)	180								
MPPT voltage range(V)	160-850								
Max. input current per MPPT(A)	22*11			22*22					
MPPT number/Max input strings number	2/2			2/4					
Output Side (AC)									
Rated output power(kW)	5	6	8	9	10	12	15	17	20
Max. apparent output power(kVA)	5.5	6.6	8.8	9.9	11	13.2	16.5	18.7	22
Max. output power(kW)	5.5	6.6	8.8	9.9	11	13.2	16.5	18.7	22
Rated grid voltage(V _{LL})	400								
Rated grid frequency(Hz)	50/60								
Operation phase	Three								
Rated grid output current(A)	7.2	8.7	11.5	13	14.4	17.3	21.7	24.6	28.9
Max. output current(A)	7.9	9.5	12.7	14.3	15.9	19.1	23.8	27	31.8
Power Factor (at rated output power)	0.8 leading ... 0.8 lagging								
THDI	<1.5%								
DC Injection current(mA)	<0.5%I _n								
Grid frequency range(Hz)	47-52 or 57-62								
Efficiency									
Max. efficiency	98.3%			98.7%					
EU efficiency	97.8%			98.1%					
MPPT efficiency	>99.5%								
Protection									
DC reverse-polarity protection	Yes								
Short circuit protection	Yes								
Output over current protection	Yes								
Output over voltage protection	Yes								
Insulation resistance monitoring	Yes								
Residual current detection/ Surge protection	Yes/Yes								
Islanding protection/ Temperature protection	Yes/Yes								
Integrated DC switch	Optional								
General Data									
Dimensions(mm)	563W*310H*219D								
Weight(kg)	18.9						19.8		
Topology	Transformerless								
Self consumption (night)	<1W(Night)								
Operating ambient temperature range	-25~60°C								
Ingress protection	IP65								
Noise emission(typical)	<30 dBA								
Cooling concept	Natural convection					Natural Convection + Redundancy Fan			
Max.operation altitude	4000m								
Designed lifetime	>20 years								
Grid connection standard	EN50438, G83/2, AS4777.2:2015, VDE0126-1-1, IEC61727, VDE N4105								
Relative humidity	0~100%								
Safety/EMC standard	IEC62109-1/-2, NB/T 32004, EN61000-6-1, EN61000-6-3								
Features									
DC connection	MC-4 mateable								
AC connection	IP67 rated plug								
Display	LCD,2*20 Z.								
Communication connections	4 pins RS485 connector								
Warranty	5 years standard (extendable up to 20 years)								
DRM function	Integrated DRM function								
Backfeed control	Integrated backfeed control function(Optional)								

LINKING THE WORLD TO
THE FUTURE OF SOLAR



NEW JUPITER SERIES

295 - 315W

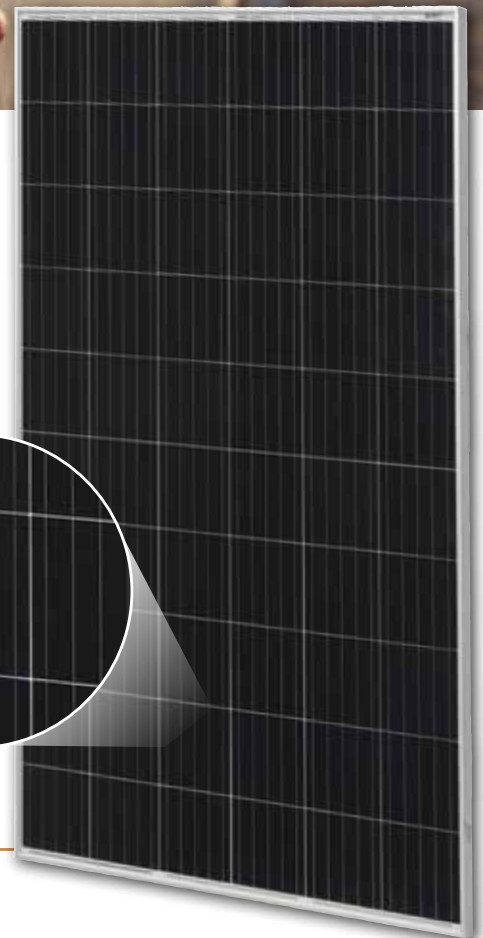
ALL NEW & IMPROVED MONOCRYSTALLINE CELLS

With the first Monocrystalline power plant being built 30 years ago, and continuing to run to date, this is why we are an advocate of monocrystalline solar technology.

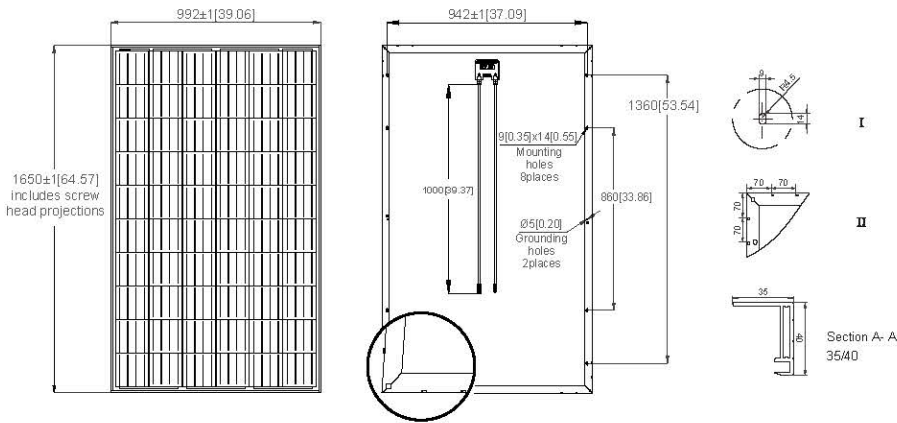
Link Energy selected Monocrystalline as its primary product due to its longevity effectiveness and better return of investment.

FEATURES

- Certified to withstand 2400pa wind load and 5400pa snow load
- Outstanding Low Light Performance with 5BB Mono PERC Cells
- 35mm Anodized Aluminum Alloy Frame
- Self-Clean Glass Surface (at min. 10-degree pitch)
- TUV SUD Certified IP68 Junction Box

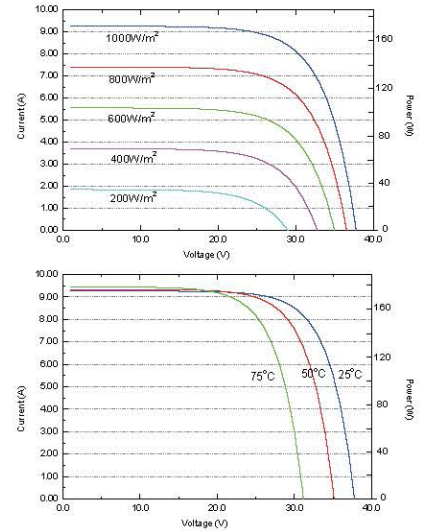


MECHANICAL DETAILS



Dimensions in brackets are in inches.
Un-bracketed dimensions are in millimeters.
Unit: mm[in.]

I-V CURVES



ELECTRICAL DATA

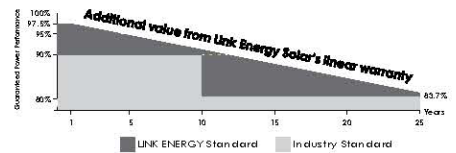
ELECTRICAL DATA (STC*)	PERC	PERC	PERC	PERC
Max Power Output- P_{MAX} (Wp)	280	300	305	315
Power Output Tolerance- P_{MAX} (W)			±3%	
Maximum Power Voltage- V_{MPP} (V)	32.20	32.60	32.80	33.00
Maximum Power Current- I_{MPP} (A)	8.70	9.20	9.30	9.39
Open Circuit Voltage- V_{OC} (A)	39.13	40.10	40.30	40.70
Short Circuit Current- I_{SC} (A)	8.82		9.83	9.92
Short Circuit Current Tolerance			±2%	
Open Circuit Voltage Tolerance			±4%	
Module Efficiency η_m (%)	17.11%	18.33%	18.63%	19.24%

*STC: Irradiance 1000 W/m², Cell Temperature 25°C, Air Mass AM1.5.

MECHANICAL DATA

Solar Cells	Monocrystalline 156.75 x 156.75 mm (+/- 2mm)
Cell Orientation	60 cells (6 x 10)
Module Dimensions	1650 x 992 x 40/35mm
Weight	18.5kg / 17.5kg
Glass	Tempered Glass, Thickness: 3.2(mm)
Designed Mechanical Load & Safety Factor	Positive: 3600Pa, 1.5 (Snow) Negative: 1600Pa, 1.5 (Wind)
Frame	Silver
Backsheet	White
J-Box	IP67
Cables	Product Brand: Ningbo Shihe New Energy Technology Co. Ltd / Wuxi Vlead Photoelectric Technology Co., Ltd. Product Model: H1Z2Z2-K, 1 x 4.0mm ; 1500V DC, -40 to +90
Connector	Product Brand: Ningbo Shihe New Energy Technology Co., Ltd. Product Model: DJ2011-4 IP68 1500V DC 30A

LINEAR PERFORMANCE WARRANTY



10 years Product Warranty
25 years Linear Performance Warranty

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	15A

TEMPERATURE RATINGS

Nominal Operating Cell Temperature (NOCT)	44°C(± 2°C)
Temperature Coefficient of P_{MAX}	-0.39%/°C
Temperature Coefficient of V_{OC}	-0.29%/°C
Temperature Coefficient of I_{SC}	0.05%/°C

Certificate Holder:



Unit C8/391 Park Road,
Regents Park NSW 2143

t 1300 887 557

powerarksolar.com.au

MADE IN CHINA