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# ABOUT APOLLO SOLAR TECHNOLOGY

Apollo Solar Technology is a multidisciplinary renewable energy company established in 2008. It has grown steadily over a couple of years with the aim of establishing ourselves as a reputable and experienced renewable energy company emphasizing on black economic empowerment (BBBEE).

The company has hands on management philosophy, a keen team player spirit which results in good quality workmanship, projects, engineering expertise, business development and manufacturing expertise.

The company was established in manufacturing and supplying of solar geysers, then transitioned into solar power and has now become deeply entrenched in the renewable energy industry for the past 15 years, garnering invaluable experience and expertise.

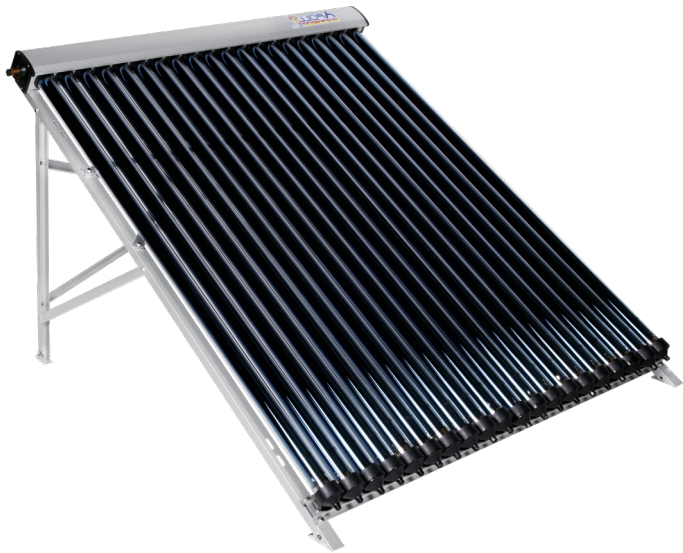
We are currently a member of SAPVIA, Eskom Energy efficiency programmes and SABS approved products supplier.

We firmly believe in implementing the development strategy of continuous innovation, friendly service and driving sustainable growth to contribute to the global clean energy target.

APOLLO is headquartered in Johannesburg, South Africa. We have over 180 dealers on our network locally as well as in neighbouring countries.



# SOLAR WATER HEATING



## Split Retrofit Systems

Capacities: 15-Tube ; 18-Tube; 20-Tube, 24-Tube ; 30-Tube

### Warranty Terms

5 Years Warranty on manifold and solar collector

- Provided that system was correctly installed per SANS and Apollo Installation Manual

### Features:

- Better aesthetics
- Minimal visual impact
- Smaller footprint
- Certain apartment / complex spaces only allow Split Systems to be installed.
- Can easily be used to retrofit any solar ready electric geyser
- Can be installed as a thermosyphon system or pumped system



## Integrated Low Pressure Solar Geyser

Capacities: 100L; 150L; 200L; 300L

### Warranty Terms

5 Years Warranty on water storage tank and frame

- Provided that system was correctly installed per SANS and Apollo Installation Manual

### Features:

- Gravity Feed.
- Direct System.
- Specialized evacuated tubes absorb UV light even on cloudy days.
- Maintenance free.
- Price competitive.
- The water heats via natural thermosyphon cycle
- 2-in-1 Frame suitable for both pitch and flat roof

### Minimal Maintenance

- Ideal for low-income housing, rural areas or farms
- Non-pressurized systems have a much lower rate of failure or malfunction

### Insurance Friendly

Complete integrated geyser unit is situated outside on top of the roof:

- In case of geyser failure, minimal to no collateral damage as water will flow off the roof and not onto your ceiling and into your room
- Vacuum tubes are hail and freeze resistant. Should damage/ breakage occur, need only to replace individual damaged tubes, not entire solar collector.



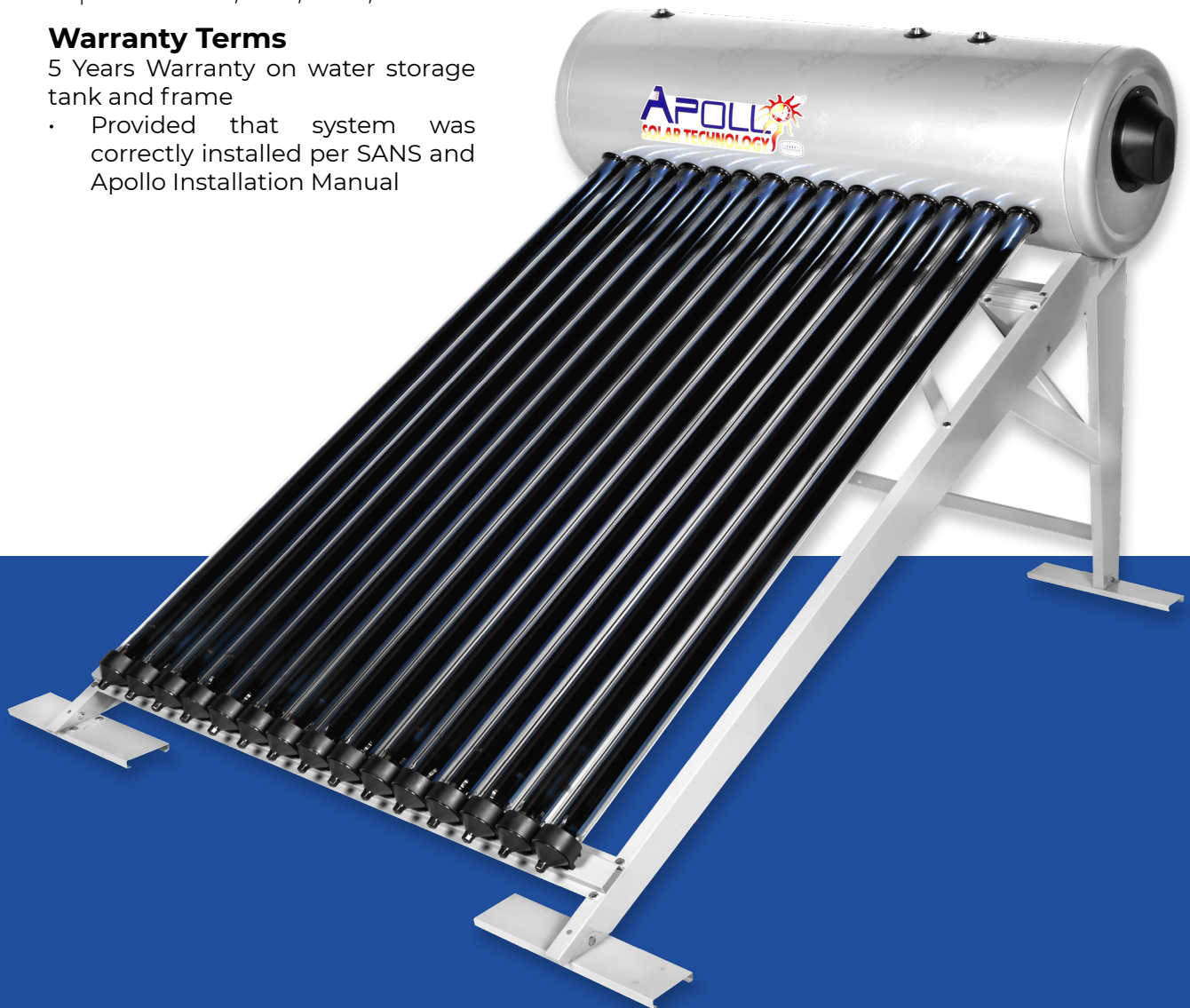
# Integrated High Solar Pressure Geyser

Capacities: 100L; 150L; 200L; 300L

## Warranty Terms

5 Years Warranty on water storage tank and frame

- Provided that system was correctly installed per SANS and Apollo Installation Manual



## Features:

- Specialized evacuated tubes absorb UV light even on cloudy days.
- Can be connected to an existing electrical geyser and backup element.
- Up to 400kPa pressure.
- Hail/Freeze resistance.
- Suitable for city central and urban areas where municipal water is available.
- Price competitive.
- 2-in-1 Frame suitable for both pitch and flat roof

## Insurance Friendly

Complete integrated geyser unit is situated outside on top of the roof:

- In case of geyser failure, minimal to no collateral damage as water will flow off the roof and not onto your ceiling and into your room
- Vacuum tubes are hail and freeze resistant. Should damage/breakage occur, need only to replace individual damaged tubes, not entire solar collector.

## Minimal Maintenance

Extent of maintenance depends on water quality:

- Normal municipal water source replace anode once a year (optional)
- Other water sources (Borehole) replace anode every 6 months (mandatory)
- Anode replacement cost is negligible



# ACCESSORIES FOR SWH



## BOOSTER PUMP

BP01

If your water pressure is low, this is the solution for you. This booster pump can boost your water pressure that gives you the option to increase your water pressure for your hot showers or if your taps aren't allowing you to efficiently pumping out water.



## AIR RELEASE VALVE 180°

ARV01



## PRESSURE CONTROL VALVE(AD) 400KPA

AD-400-S15MM  
AD-400-S22MM



## PRESSURE CONTROL VALVE(APEX) 200KPA

PCVAL2-22  
PCVAL2-15



## SP REAR SUPPORT SET FOR FLAT ROOF INSTALLATION

SPF



## Geyserwise Controller

GW01 - Geyserwise TSE  
GW02 - Geyserwise Delta  
GW03 - Geyserwise Max  
G-IOTTSE1 - Geyserwise TSE-TUYA





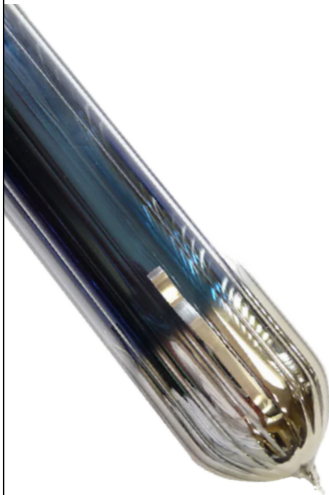
### INSULATION LAGGING

IP02 - 16×13mm  
IP03 - 22×13mm  
IP04 - 22×25mm (R1)



### ITS CIRCULATION PUMP

CP12V



### VACUUM TUBES

LPTU5818 - 1pcs  
LPTUB01 - 10pcs  
LPTUB02 - 12pcs  
LPTUB03 - 15pcs















### HEAT PIPE WITH VACUUM TUBES

HPTU01 - 1pc  
HPTUB01 - 10pcs  
DHTUB12 - 12pcs  
HPTUB03 - 15pcs

SPTU01 - 1pc  
SPTUB01 - 8pcs  
SPTUB03 - 10pcs  
SPTUB04 - 12pcs  
SPTUB05 - 15pcs



# ACCESSORIES FOR SWH

 <p><b>ANODE</b> A01   A03   A06 20mm   850mm   1000mm</p>	 <p><b>DIP TUBE</b> DEE01</p>	 <p><b>T/P VALVE 400kPa</b> T/P01</p>	 <p><b>T/P (BANJO) VALVE 400kPa (Male)</b> T/P02</p>
 <p><b>T/P (BANJO) VALVE 400kPa (Female)</b> T/P03</p>	 <p><b>THERMOSTAT</b> TMS01</p>	 <p><b>THERMOSTAT POCKET</b> TPKT01</p>	 <p><b>ELEMENT 2KW</b> IHPEL012</p>
 <p><b>ELEMENT 3KW</b> IHPEL013</p>	 <p><b>ELEMENT WITH HOLE (3KW)</b> ET01</p>	 <p><b>ELEMENT 4KW</b> IHPEL014</p>	 <p><b>ELEMENT WITH HOLE (4KW)</b> ET02</p>



**MIXING VALVE**  
TVCH15 | TVAD22



**GATE VALVES**  
GV01 | GV02 | GV03  
3/4Cx3/4 | 3/4Fx3/4 | 1/2Cx3/4



**DRAIN VALVE (F) LP**  
DRV02



**DRAIN VALVE (M)**  
DRV01



**DUST RUBBER**  
BR01



**INNER RUBBER SEAL**  
RUB01



**VACUUM BREAKER**  
VCB15 | VCB22



**BRACKET HOOKS**  
BRK-01



**WATERPROOF BOX  
AND ISOLATE SWITCH**  
ISOLSWI01



**TEMPERATURE MONITOR**  
TM01



**TUBE HOLDER CUPS**  
COMBO



**10W SOLAR PANEL**  
PVP-10



**NON-RETURN  
SWING VALVE**  
NRV-01 | NRV-02  
15MM | 22MM



**BALL VALVE STOP  
COCK 15MM**  
BVSC01  
15MM MALE TO FEMALE



**ELEMENT COVER**  
ECOV01



**STOPPER**  
BST01 | BST02 | BST03  
15MM | 22MM | 1.25"



# SOLAR POWER SOLUTION



## SRNE

Weight: 100kg | Dimensions: 1190×600×184mm  
Capacity: 3.5KW Inverter ; 5.12KW Lithium Battery | Warranty: 3 years

The SRNE has a sleek design that can fit right into your living space, blending into its environment. It is easy to install in your home as it is designed as a plug and play system giving you less of a hassle and saving you time. This All-in-One solution includes an inverter and battery so you don't need to worry about the inverter's compatibility to the battery.

It incorporates a stackable modular battery design, allowing you to have multiple battery units in one system. This All-in-One power solution can accommodate lights, plugs, fridges, microwave and kettle when load shedding strikes. It can also handle PV panel with a maximum of output 4000W.

### Specifications:

Battery Energy	5.12kWh
Battery Capacity	200AH
Battery Working Voltage Range	22.4 ~ 28.8V
Maximum PV Output Power	4000W
PV Charging Current Range	0~80A
PV Operating Voltage Range	120~500V
Maximum AC Charge Power	2240W
AC Charging Current Range	0~80A







# Livoltek Hyper-5000

Dimensions: 415×1380×165mm | Weight: 87kg  
Capacity: 5kWh | Warranty: 5 years

This energy storage system has a low voltage battery module perfect for a household's typical energy demands. Slim and compact design fits seamlessly with your house aesthetics. Free monitoring platform for easier maintenance.

The LIVOLTEK All-in-one ESS combines a hybrid inverter and low-voltage batteries can help you reduce your electricity bills while maximizing energy independence from the grid.

## Feature of this product:

- Silent natural cooling
- Flexible and easy to expand
- Smart and easy operation
- Nominal AC Power of 5000W
- Maximum PV Voltage of 600V.
- Lithium Battery
- Wi-Fi monitoring.

## Battery Specifications:

Battery Energy	5kWh
Battery Capacity	100AH
Battery Working Voltage Range	40 ~ 58.4V
Max Charge Current	50A
Max Discharge Current	100A
Scalability	Up to 5 modules /25kWh

## Inverter Specifications:

Max. PV Input Power	7500Wp
Max. PV Input Voltage	600V
Max. PV Current	14/14V
Waveform	Pure Sine Wave
Nominal AC Current	21.7A
No. of MPPTs/Strings per MPPT	2/1

# INVERTERS

## GROWATT



### Growatt SPF 3KW

SPF 3000TL HVM

Dimensions: 120×315×390 mm | Weight: 8kg

2 years warranty from the date of installation and no more than five and a half years from the delivery date.

The Growatt SPF 3000 is your basic compact solution to pair with a battery. It comes with a AC input, integrated with a MPPT solar charge controller. It also has optional Wifi/GPRS remote monitoring.

#### Specifications:

- Rated Power: 3000VA/ 3000W
- Waveform: Pure sine wave
- Maximum PV Array Power of 1000W
- MPPT Range @ Operating Voltage of 30VDC ~ 80VDC
- Maximum PV Array Open Circuit Voltage of 100VDC
- Maximum Solar Charge Current of 50A
- AC Input Voltage of 230 VAC



### Growatt SPF 5000-ES

SPF 5000 ES

Dimensions: 330×485×135mm | Weight: 12 kg

Warranty: 5 years from the installation date

The Growatt SPF 5000 is your entry level a hybrid inverter to give your house the alternative backup power solution with the potential for upscaling.

This inverter comes with an input power of 5000W and a max AC Power of 230VAC. It comes with integrated MPPT solar charge controller. Offering WiFi/GPRS remote monitoring.

#### Specifications:

- Rated power: 5000VA/ 5000W
- Waveform: Pure sine wave
- Maximum PV Array Power of 6000W
- MPPT range @ Operating Voltage of 120VDC ~ 430VDC
- Maximum Solar Charge Current of 100A
- AC Input Voltage: 230 VAC



The DEYE inverters are a household brand within the inverter market, for individuals and businesses who are looking to for power backups or alternatives. It offers a wide range of inverters for a multitude of purposes. It is a household brand for being compatible with a wide range of energy storages.



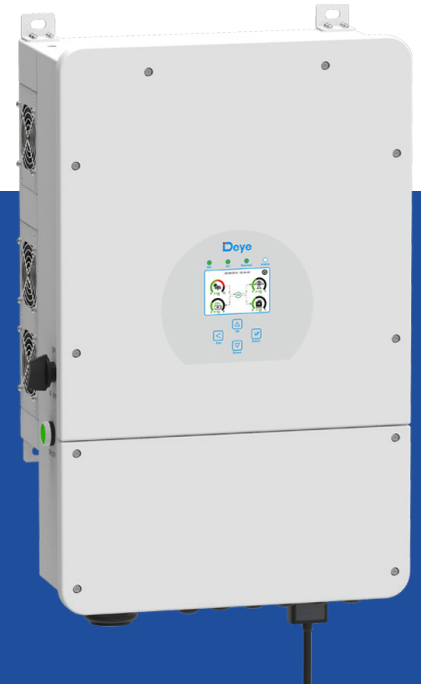
## Deye Hybrid Inverter 5kw

Dimensions: 580×330×208 mm  
Warranty: 5 years

The Deye Hybrid 5KW inverter is a starter inverter for anyone that is on a budget or just testing the waters of the incredible world of solar, offering wifi monitor for your convenience. It supports generator connections so you can attach it alongside with your generator, giving your home power when it need it the most. It is also bi-directional which allows you to feed electricity back onto the grid.

### Specifications

- Max. Discharge Current: 120A
- Max.DC Input Power: 6500W
- No.of Strings Per MPPT Tracker: 2/1+1



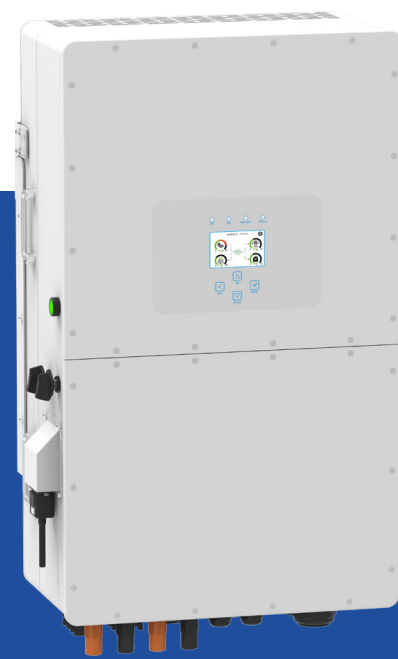
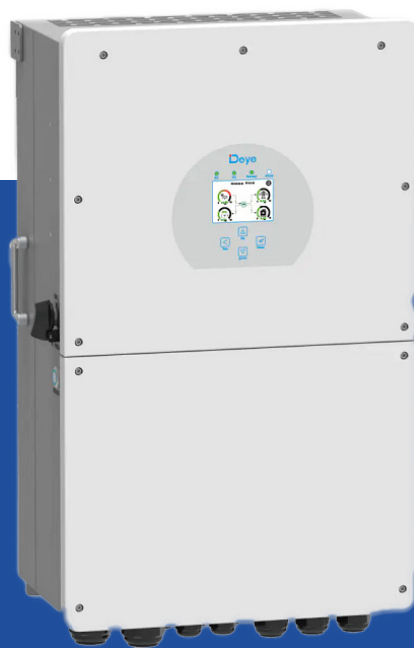
## Deye Hybrid Inverter 8KW

Dimensions: 670×420×233mm  
Warranty: 5 years

The Deye Hybrid 8KW inverter is an upgrade to the starter inverter that is still great for anyone that is on a budget, offering wifi monitor for your convenience. It supports generator connections so you can attach it alongside with your generator, giving your home power when it need it the most. It is a bi-directional inverter that can take and give back electricity to the grid.

### Specifications

- Max. Discharge Current: 190A
- Max.DC Input Power: 10400W
- No.of Strings Per MPPT Tracker: 2/1+1



## Deye Hybrid Inverter 12KW

Dimensions: 464×798.4×300mm  
Warranty: 5 years

The DEYE 12KW Hybrid Inverter is a 3P, bi-directional inverter with 16pcs parallels for your on-grid or off-grid needs, supporting multiple battery parallels. This inverter not only allows you to go off grid but also receive input from generators. It is a bi-directional inverter that offers wifi-monitoring for your convenience.

### Specifications

- Max. Discharge Current: 240A
- Max.DC Input Power: 15600W
- No.of Strings Per MPPT Tracker: 2/2+1

## Deye Hybrid Inverter 16KW

Dimensions: 464×798.4×300 mm  
Warranty: 5 years

The DEYE 16KW Hybrid inverter is a bi-directional inverter with a wifi monitoring feature. It is a powerhouse of an inverter that offers comfortability in terms of energy use. It allows for 16pcs parallels for off-grid and on-grid systems, supporting multiple battery parallels. It can also receive input from generators

### Specifications

- Max. Discharge Current: 290A
- Max.DC Input Power: 20800W
- No.of Strings Per MPPT Tracker: 3/2+1

## Deye Hybrid Inverter 50KW

Dimensions: 527×894×294 mm  
Warranty: 5 years

One of the strongest inverters out there, the Deye Hybrid 50KW is a 3P, bi-directional high-voltage inverter for commercial use. It offers security a back-up solution for your business with up to 10pcs parallel for on-grid and off-grid usage, supporting multiple battery parallels. It can also receive input from generators. It also has wifi monitoring for convenience.

### Specifications

- Max. Discharge Current: 50+50A
- Max.DC Input Power: 65000W
- No.of Strings Per MPPT Tracker: 4/2



## ABOUT LUXPOWER

Luxpower has established themselves as a brand for inverters for over a decade, bringing quality inverters to its customers all over the world. It is a go-to brand, insuring quality and consistency in terms of usage.

It is also one of the most compatible inverter brands out there that can be used with a variety of batteries in the market. Taking away the strings of concerns when deciding on what system you get.

It comes in a range of capacities to allow for different needs, whether it is for domestic use or commercial use, there is a product within the Luxpower brand that can satisfy your individual needs.



### LUXPOWER SNA5000

Rated Power: 5000W  
Dimensions: 504x330x135mm  
Weight: 14kg  
Single phase inverter with wifi monitoring

#### Specifications:

- Battery type: Lithium/Lead Acid
- Waveform: Pure sine wave
- Max PV Voc: 480Vdc
- Max. recommended PV power: 6000W
- MPPT tracker: 2
- Warranty: 2 years

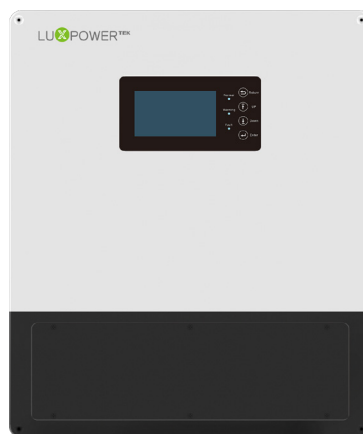


### LUXPOWER Hybrid 5KW

Capacity: 5KW | Warranty: 5 years  
Dimensions: 476x455x181mm  
Weight: 20kg  
Single phase inverter with wifi monitoring

#### Specifications:

- Nominal battery voltage: 48V
- Compatible battery type: Lithium/Lead Acid
- DC Input Voltage Range: 100-550Vd.c
- Max. PV input power: 8000W
- MPPT number: 2
- UPS max. output power: 4000/5000W



### LUXPOWER Hybrid 10KW

Capacity: 10KW | Warranty: 5 years  
Dimensions: 650x440x220mm  
Weight: 38kg  
Single phase inverter with wifi monitoring

#### Specifications:

- Nominal battery voltage: 48V
- Compatible battery type: Lithium/Lead Acid
- Max MPPT Voltage Range: 210-240 Vd.c
- Max. PV input power: 16000W
- MPPT number: 3(2/1/1)
- UPS max. output power: 10000W



### LUXPOWER Hybrid 12KW

Capacity: 12KW | Warranty: 5 years  
Dimensions: 670x490x265mm  
Weight: 42kg  
Single phase inverter with wifi monitoring

#### Specifications:

- Nominal battery voltage: 48V
- Compatible battery type: Lithium/Lead Acid
- Max MPPT Voltage Range: 230-500 Vd.c
- Max. PV input power: 18000W
- MPPT number: 3(2/1/1)
- UPS max. output power: 12000W





# PV PANELS



Dimensions: 2182×1029×35 mm(465W, 475W) | 2278×1134×35mm(565W)  
Weight: 25.0kg (465W, 475W)| 28kg (565W)

12 years product warranty & 25 years linear power output warranty.

PV panels to kickstart your off-grid journey. The Jinko PV panel gives you the reliability of renewable energy, giving you the comfort of going off grid and be more sustainable as well as economical with your energy. Sustaining a home for years to come.

JKM465M-7RL3	
Rated Max. Power (Pmax)	465W
Open Circuit Voltage	51.92Voc(V)
Max. Power Voltage	43.18Vmp(V)
Short Circuit Current	11.59Isc(A)
Max. Power Current	10.77 Imp(A)
Module Efficiency	20.71%

JKMK565N-72HL4	
Rated Max. Power	565W
Open Circuit Voltage	53.2Voc(V)
Max. Power Voltage	43.97Vmp(V)
Short Circuit Current	13.53Isc(A)
Max. Power Current	12.85Imp(A)
Module Efficiency	20.67%

JKM475M-7RL3	
Rated Max. Power(Pmax)	475W
Open Circuit Voltage	52.24Voc(V)
Max. Power Voltage	43.38Vmp(V)
Short Circuit Current	11.77Isc(A)
Max. Power Current	10.95Imp(A)
Module Efficiency	21.16%

## LESSO

Dimensions: 1909x1134x35mm (450D) | 2278x1134x35mm (550D)  
Weight: 23.2kg (450D) | 28.0kg (550D)

The PV panel's warranty is 12 years product warranty & 25 years linear power output warranty.

It is one of our flagship brands that guarantees quality to you as it is a brand that Apollo stands strong behind. Giving you one of the best in the market for your home or business.

450D(HPM)	
Rated Max. Power	450W
Open Circuit Voltage	41.32Voc(V)
Max. Power Voltage	34.53Vmp(V)
Short Circuit Current	13.90Isc(A)
Max. Power Current	13.04Imp(A)
Module Efficiency	20.80%

550D(HPM)	
Rated Max. Power	550W
Open Circuit Voltage	49.82Voc(V)
Max. Power Voltage	42.00Vmp(V)
Short Circuit Current	13.97Isc(A)
Max. Power Current	13.10Imp(A)
Module Efficiency	21.30%

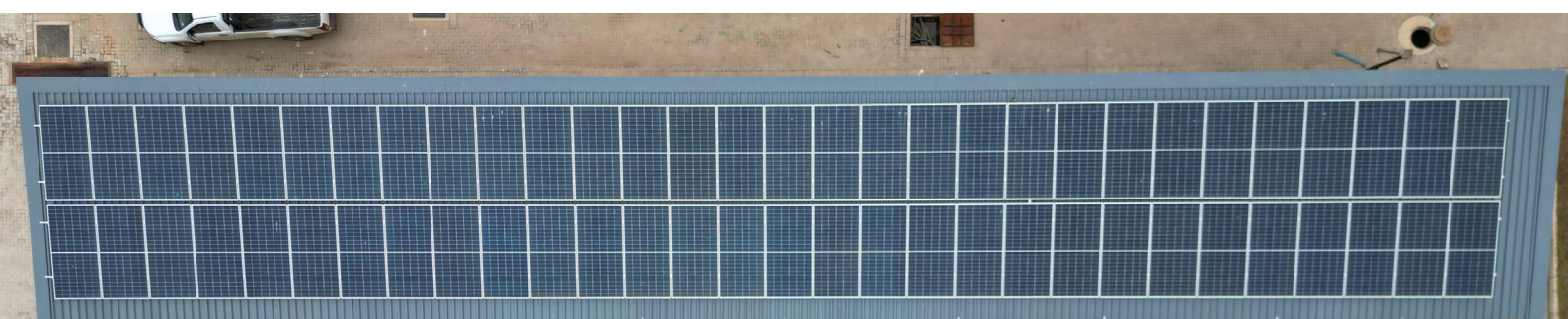
## JASOLAR

Dimensions: 2278x1134x35mm  
Weight: 28.6kg±3%

12 years product warranty & 25 years linear power output warranty.

If you are looking for quality and longevity, look no further than this brand as it guarantees to offer the best to all its customers.

JAM72S30-545	
Rated Max. Power	545W
Open Circuit Voltage	49.75V
Max. Power Voltage	41.80Vmp
Short Circuit Current	13.93A
Max. Power Current	13.04A
Module Efficiency	21.1%







# ENERGY STORAGE SYSTEM



## 51.2V 6.144KWH LiFePO4 Battery-BYD blade cell

Introducing the all new technology battery module patented by BYD. It can be used in upper class villas, estates, hotels, nomadic farms and base stations. This sleek battery is easily installed and offers expandability that can scale to a max of 16pcs in parallel. It is also easy to install, saving time and cost making this an economical battery in both design and affordability.

This is top quality BYD blade lithium cell, vehicle grade battery unit that prioritises safety while having long life cycles and more accessible stored energy in your home. It is compatible with many of the leading inverter brands and is also compatible to residential 48V hybrid inverter and off grid inverter.







## High Voltage Small Commercial LiFePO4 Battery (BYD blade cell)

A battery unit best suited for villas, C&I energy storage, nomadic farms and base stations. Perfect for small to medium scale commercial system applications. This battery is a flexible high-voltage LiFePO4 battery module that is stackable and easy to install. Giving you the option of having a hassle free modular energy storage solution that can be tailored to your hybrid system.

It is compatible with a variety of inverter brands and is also compatible with CAN / RS485 communications interface.



## DYNESS

Dyness is one of the leading brands in the solar technology storage industry. It stands out of the competition with their battery series that provides for various types of uses, ranging from on-the-go usage to commercial energy systems.





Dyess A48100

#### A48100

This battery can be wall mounted for efficient use of space. It comes with a 5 years warranty, and weighs 55kg with the dimensions of 504×597×155mm. Giving the you a backup battery that will secure your energy system at home.

Specifications:	
Nominal Voltage (V)	48
Nominal Capacity (Ah)	100
Nominal Energy (kWh)	4.8
Max. Power (kW)	2.4
Charging Current (A)	50
Discharging Current (A)	50



Dyess B3

#### B3

This battery is a rack mounted battery. It comes with a 5 years warranty, and weighs 55kg with the dimensions of 504×597×155mm. Giving the you a backup battery that will secure your energy system at home.

Specifications:	
Nominal Voltage (V)	48
Nominal Capacity (Ah)	70
Nominal Energy (kWh)	3.36
Max. Power (kW)	2.4
Charging Current (A)	35
Discharging Current (A)	35



Dyess DL5,0C

#### DL5,0C

This battery is a wall mounting battery that offers 1.0C of rated power and over 6000 cycles. It comes with a 10 years warranty, weighing 54kg and has the dimensions of 558×545×150mm. Offering comfort in your own space.

Specifications:	
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	100
Nominal Energy (kWh)	5.12
Max. Power (kW)	5.12
Charging Current (A)	50
Discharging Current (A)	50



Dyess B4850

#### B4850

This battery is a rack mounted battery. It comes with a 5 years warranty, and weighs 55kg with the dimensions of 480×360×90mm. Giving the you a backup battery that will secure your energy system at home.

Specifications:	
Nominal Voltage (V)	48
Nominal Capacity (Ah)	50
Nominal Energy (kWh)	2.4
Max. Power (kW)	2.4
Charging Current (A)	25
Discharging Current (A)	25



Dyess BX51100

#### BX51100

This battery can be wall mounted for efficient use of space. It comes with a 5 years warranty, and weighs 50kg with the dimensions of 558×545×190mm. Giving the you a backup battery that will secure your energy system at home.

Specifications:	
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	100
Nominal Energy (kWh)	5.12
Max. Power (kW)	5.12
Charging Current (A)	50
Discharging Current (A)	50



Dyess DL5.0X

#### DL5.0X

This battery is a wall mounting battery that offers 1.5C of rated power and over 6000 cycles. It comes with a 10 years warranty, weighing 53kg and has the dimensions of 558×545×150mm. Offering comfort in your own space.

Specifications:	
Nominal Voltage (V)	51.2
Nominal Capacity (Ah)	100
Nominal Energy (kWh)	5.12
Max. Power (kW)	7.68
Charging Current (A)	50
Discharging Current (A)	50

Here on are the more dynamic or commercial battery products for businesses looking to backup and support their businesses off the grid or for people always on the go.



## Dyness Powerbox

Capacity: 10.24kWh  
Dimensions: 555×210×1020mm | Weight: 25kg  
>6000 Cycles | Warranty: 10 years

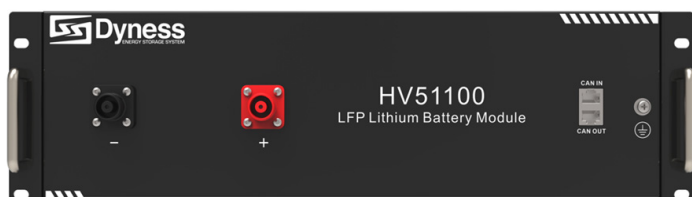
Specifications	
Installation	Wall mount
Nominal Voltage	51.2V
Nominal Capacity	200Ah
Max. Power	7.68kW
Charging Current	100A
Discharging Current	100A
Protection Level	IP65 waterproof
Scalability	up to 4 unit in parallel

## Dyness HV51100

Capacity: 5.12kWh  
Warranty: 10 years

The Dyness HV51100 is a high voltage battery that offers you the security of constant power especially in a commercial environment.

It can offer your business the ease of mind in terms of outages or wanting to move your business off grid. This battery can guarantee high performance for your commercial energy needs.



HV51100 Battery	
Battery Type	LiFePO4
Nominal Battery Energy	5.12kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Net Weight	43.5kg
Dimension(W*D*H)	481×535×140mm
Charging Temp. Range	0-55°C
Discharging Temp. Range	-10-55°C
Communication	CAN
Design Life	10+ Years
Calendar Life	>6000 Cycles
Protection Level	IP20
Expansion	Up to 15 units in series
Compatible Inverters	Goodwe/Solis/SAJ/Sinexcel/Hoy-miles/Growatt/Ecatus/Sermatec /ATESS/Sunways etc.
Certification & Safety Standard	UN38.3/ICE62619



## Dyness Rack System V4

Dimensions: 548×568×2012mm (HV4-11s)  
Weight: 646.5kg (11 units) | Warranty: 10 years

Main components are the HV51100 battery and BDU, the rack is an optional purchase in addition to the system.

Dyness HV4 rack system is also designed for indoor use high-voltage systems, with a larger capacity of each module to fit medium C&I scenarios, to increase solar self-consumption, provide backup power or peak-shavings, etc.

Rack System HV4		
Rack Type	PowerRack HV4-7s	PowerRack HV4-11s
Battery Module Type	HV51100	HV51100
Battery Module Quantity	7 units	11 units
Nominal Battery Energy	35.84kWh	56.32kWh
Nominal Capacity	100Ah	100Ah
Nominal Voltage	358.4V	563.2V
Operating Vol. Range	313.6-403.2V	492.8-633.6V
Nominal Power Output	21.5kW	33.79kW
Max. Power Output	35.84kW	56.32kW
Recommend Charging Current	50A	50A
Recommend Discharging Current	50A	50A
Net Weight	397.5kg	646.5kg
Rack System Control unit Type	BDU100	BDU100
Module Quantity and Configuration	7 Units in series	11 Units in series





## Greenrich WM5000

Capacity: 4.95 kWh

Dimensions: 175.4×366×586mm | Weight: 48kg  
> 6000 Cycles Life | Warranty: 5 years | wall mounting

The Greenrich WM5000 is a high efficiency battery. Offering a max discharge rate of 1.5C, it also offers the flexibility of expanding your battery bank to fit more. You can either wall mount it vertically or horizontally.

WM5000	
Nominal Voltage (V)	51.2
Nominal Capacity	96.6Ah / 4.95 kWh
Max. Power (kW)	7.5kW
Charging Current (A)	80A
Discharging Current (A)	150A (1.5C continuous)
Discharge Rate	1.5C



## Greenrich U-P5000

Dimensions: 222.6×442×512mm | Weight: 50.88kg  
> 6000 Cycles Life | Warranty: 5 years | Wall Mounting

U-P5000	
Nominal Voltage	51.2V
Nominal Capacity	96.6Ah / 4.95kWh
Max. Power (kW)	7.5kW
Charging Current	80A
Discharging Current	150A
Max Discharge Rate	1.5C



## Greenrich 3.68kW

Dimensions: 222.6×438×500mm | Weight: 42kg  
> 6000 Cycles Life | Warranty: 5 years | Wall Mounting

Hope 3.3I—C1	
Nominal Voltage	51.2V
Nominal Capacity	72Ah / 3.686kWh
Max. Power	5.475kW
Charging Current	36A
Discharging Current	150A
Max Discharge Rate	1.5C

# UPS





# Home Solar Lighting System



Battery Capacity: 144WH

Warranty: 6 months

## What's included:

- 4 waterproof LED bulbs
- 12V 12Amp battery
- 30W panel
- Mobile charger
- 12V output port
- Charging cables

## Main Features:

- It is very useful for no power area, camping and outdoor activities;
- Built-in rechargeable battery that can be charged by either solar panel or AC input.
- Used for home lighting, phone charging ,small DC household charging ect.
- Affordable and can make a great gift







# KOOL Lithium Portable UPS

Capacities: 1kW; 1.5kW | Warranty: 12 months  
Dimension: 453×189×396mm; 494×208×480mm  
Net Weight: 26kg; 42kg

### Key Features

- Pure sine wave output;
- 2000 cycles, 25.6V LiFePO4 battery and has a 5 years service life;
- The mains input automatically turns on and activate the lifePO4 battery
- The mains supply mode/energy-saving mode/battery mode can be set for flexible;
- Convenient and practical 5VDC-USB2.0; and 12VDC output port;
- MPPT Controller greatly improving the charging efficiency more than 20%;
- Overcharge protection and over discharge protection for a longer battery life;
- Safe and reliable with intelligent exhaust fan control;
- Overall automatic protection and alarms including AC output overload protection, short circuit protection. etc;

# GENKI Power Station

Dimensions: 260×172×202mm | Net Weight: 5.2Kg  
Battery Capacity: 139200mAh | 3.7V | 515Wh

Specifications:	
USB-C Input/Output	PD 60W
DC Input	19V 3.78A
AC Continuous Power	500W 100V/ 110V / 220V 60Hz/ 50Hz Pure Sine Wave
DC Output	12V/ 8A (Total)
USB-A1	QC 3.0 (5V 3A / 9V 2A /12V 1.5A)
USB-A2 & 3 & 4	5V 4.8A (MAX)
Solar Panel (Optional)	12-24V/ MPPT 60W/ 80W/ 100W

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