

*The Global Leading Clean Energy Solution Provider*



*The Global Leading Clean Energy Solution Provider*

Apollo Technology has been in the renewable industry for almost ten years. We pride ourselves in providing excellent quality products and services at affordable prices.

# AFFILIATIONS

## SABS

SABS is a leading global provider of standards, management systems, business improvement and regulatory approval information.

## SESSA

SESSA is a non profit organisation that is dedicated to the use of renewable energy and energy efficiency.

## SAPVIA

The South African Photovoltaic Industry Association (SAPVIA) is a not-for-profit body which consists of active players in South Africa's photovoltaic market who have a genuine, invested presence in the country.

## GREENFIN

GREENFIN can finance all sustainable energy solutions, products and installations from reputable suppliers.



## SOLAR WATER HEATING SYSTEM



### Integrated Pressurized System

Absorbs extra heat faster than normal tubes due to the copper pipes inside

Specialized heat pipe vacuum tubes contain liquids which helps quick heat transfer

System can still operate even if several tubes are damaged

Hail/Freeze resistance on tubes and tank

Available sizes

- 100l
- 150l
- 200l
- 300l



### Non-Pressure System

The water is directly heated up by the tubes.

Water pressure depends on the height where installed and the booster pump

Specialized vacuum tubes absorb UV light even on cloudy days

Minimum maintenance, Hail/Freeze resistance tubes and tank

Available sizes

- 100l
- 150l
- 200l
- 300l



### Solar Thermal Collector

Connect with existing electrical geyser

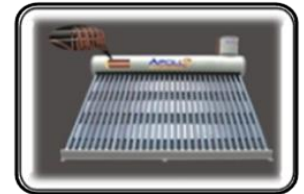
Specialized heat pipe vacuum tubes contain liquids which heats up the cold water when it passes through the top of the tubes

Water circulates by use of a circulating pump

Hail/Freeze Resistance on tubes and tank

Available sizes

- 100l
- 150l
- 200l



### Integrative Coiler Pre-heating System

Cold water heats up by going through the copper coil inside the tank, fast conduct heat

Available sizes

- 200l
- 300l
- 350l



### Swimming Pool System

Water circulates by use of a circulating pump from the swimming pool to the solar collectors

## SOLAR PHOTOVOLTAIC PANELS

### Residential and Commercial Solutions

#### Class 1: 1 KW

Solar power first with utility grid backup.

#### Class 2: 3KW

Solar power first with utility grid backup.

#### Class 3: 5KW

Solar power first with utility grid backup.

#### Class 4: 10KW

Solar power first with utility grid backup.

PARAMETERS		APS 1KW	APS 3KW	APS 5KW	APS 10KW
	TYPE	PWM/MPPT	PWM/MPPT	PWM/MPPT	PW/MPPT
PV CONTROLLER	Rated output voltage(V) DC	48V	48V	96V	192V
	Maximum input voltage(V) DC	100V/200V	100V/200V	200V	450V
	Protection	Reverse polarity,overload,over voltage, short circuit			
INVERTER	Output wave form	Pure Sine Wave			
	Rated Output power(KW)	1KW	3KW	5KW	10KW
	Rated input voltage(V)DC	48V	48V	96V	192V
	Rated output voltage(V)AC	220V	220V	220V	220V/380V
	Overload	120%60s, 150%10s,	120%60s, 150%10s,	120%60s, 150%10s,	120%60s, 150%10s,
	Efficiency	>82%	>85%	>85%	>85%
	Protection	Reverse polarity, Under voltage, Over voltage,Overload,Short circuit, Over temperature			
BATTERY	Type	Colloid Battery			
	Rated Voltage(V)DC	12V			
	Number of Batteries	4	12	24	48
	Capacity(AH)	120AH	120AH	120AH/200AH	120AH/200AH



## STREET LIGHTS



### DX-90

Maximum Power Supply  
at STC(pmax) 45W\*2  
Lithium Iron Phosphate  
Battery Capacity  
12V70Ah  
Recommended Load  
25W-30W

### DX-60

Maximum Power Supply  
at STC(pmax) 65W  
Lithium Iron Phosphate  
Battery Capacity  
12V50Ah  
Recommended Load  
15W-20W

### DX-45

Maximum Power Supply  
at STC(pmax) 45W  
Lithium Iron Phosphate  
Battery Capacity 12V40Ah  
Recommended Load  
10W-13W

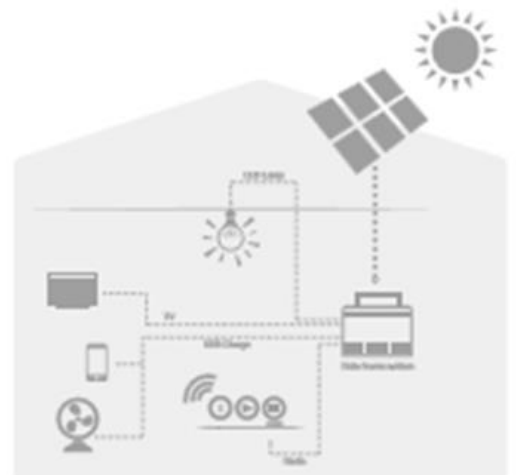
# SOLAR HOME SYSTEM



### Optional Appliances

- 4\* LED Lamp
- 1\* USB Fan
- 1\* 12V TV
- 1\* Multi-function connector
- 1\* Battery

Solar Home System	STL-30	STL-50
Product Dimension (L*W*H)	370*242*295mm	370*242*295mm
Net Weight (with Battery KG)	9.3kg	13.5kg
System Voltage	12V	12V
Max Input Capacity	10A	10A
Max Output Capacity	10A	10A
Battery Capacity	28 Ah	38 Ah
Power Consumption	6mA (standby)/ 80 Ma (max)	6mA (standby)/ 80 Ma (max)
PWM Float Charge Level	14.1 V (with temperature compensation -20 mV/C)	14.1 V (with temperature compensation -20 mV/C)
Low Battery Condition (100%) Display	11.6V	11.6V
Full Battery Condition (100%) Display	12.6V	12.6V



## LED LIGHTS & UPS

Save power and protect your appliances



LED Lights save up to 90% of electric consumption compared to normal light bulbs

### Available in

4w Screw in LED light bulbs  
4w Clip on LED light bulbs  
9w 60cm LED light tubes  
18w 120cm LED light tubes  
24w 150cm LED light tubes

Apollo UPS systems ensure up to three to four hours of uninterruptible power supply while keeping your appliances safe from defects caused by power cuts and electric surges

### Available in

2kva 55ah gel  
2kva 110ah gel  
3kva 110ah AGM

*SAVE MONEY AND SAVE THE ENVIRONMENT*



Contact our distributors