

Stay
powered up
During
Loadshedding

Model:
LAL-3000W-PWM



- Can be wired into your DB board
- Requires 2 x 12V batteries or a single 24V Lithium battery (Sold separately)
- Automatic change over from Eskom power to backup power



Lalela Hybrid Inverter
24V 3000VA / 3000W
For Load Shedding Backup and Solar

3000W
Inverter

24V
Inverter

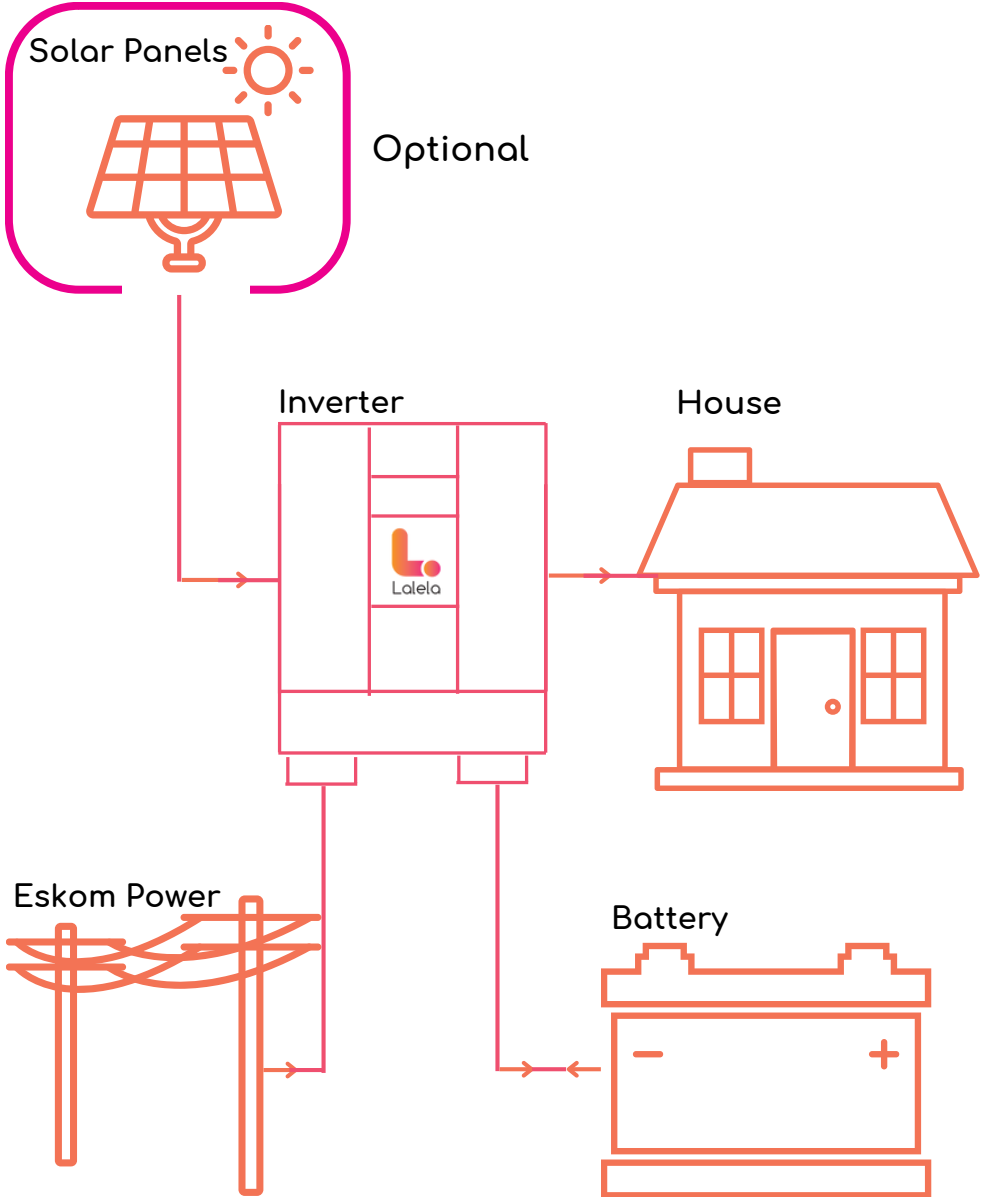
Pure
Sinewave

60A PWM
Controller

Keep your house powered during loadshedding

Inverter

Set-Up



Loads that can and cannot be powered up



What it **can** power

- | | |
|--|---|
| <input checked="" type="checkbox"/> Lights | <input checked="" type="checkbox"/> Home Alarm System |
| <input checked="" type="checkbox"/> TV | <input checked="" type="checkbox"/> Automatic Garage Door Motor |
| <input checked="" type="checkbox"/> Computer | <input checked="" type="checkbox"/> Intercom |
| <input checked="" type="checkbox"/> DSTV Decoder | <input checked="" type="checkbox"/> Electric Fence |
| <input checked="" type="checkbox"/> Surround | <input checked="" type="checkbox"/> Fridge and deep freezer |
| <input checked="" type="checkbox"/> Sound Fan | <input checked="" type="checkbox"/> Fax Machine |

What it **cannot** power

- | | |
|---|--|
| <input checked="" type="checkbox"/> Dishwashers | <input checked="" type="checkbox"/> Geysers |
| <input checked="" type="checkbox"/> Pool motors | <input checked="" type="checkbox"/> Underfloor Heating |
| | <input checked="" type="checkbox"/> Stoves |

Detailed Specification

Nominal Battery System Voltage		24VDC
INVERTER OUTPUT	Rated Power	3000W
	Surge Power	6000W
	Waveform	Pure sine wave
	AC Voltage Regulation (Batt.Mode)	(220VAC-240VAC)±5%
	Inverter Efficiency(Peak)	93%
	Transfer Time	10ms (UPS \ VDE4105) 20ms (APL)
AC INPUT	Voltage	230VAC
	Selectable Voltage Range	170-280VAC(For personal computer) \ 90-280VAC(For home appliances) \ 184-253VAC(VED4105)
	Frequency Range	50Hz \ 60Hz(Auto sensing)
BATTERY	Normal voltage	24VDC
	Floating Charge Voltage	27.4VDC
	Overcharge Protection	30VDC
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	80VDC
	Standby Power Consumption	2W
	(PWM)Maximum Solar Charge Current	60A
	Maximum AC Charge Current	20A or 30A
	Maximum ChargeCurrent	80A
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	272*355*100
	Package Dimensions (W*H*D)(mm)	465*373*231
	Net Weight(kg)	7.8
	Gross Weight(kg)	10.3
OTHER	Humidity	5% to 95% Relative humidity (Non-condensing)
	Operating Temperature	0°C-50°C
	Storage Temperature	-15°C -60°C