

Stay

powered up

During

Loadshedding

Model:
LAL-5000-MPPT



Lalela Hybrid Inverter

48V 5000VA / 5000W

For Load Shedding Backup and Solar

48V /
5000W
Inverter

80 A MPPT
Solar
Controller

Pure
Sinewave

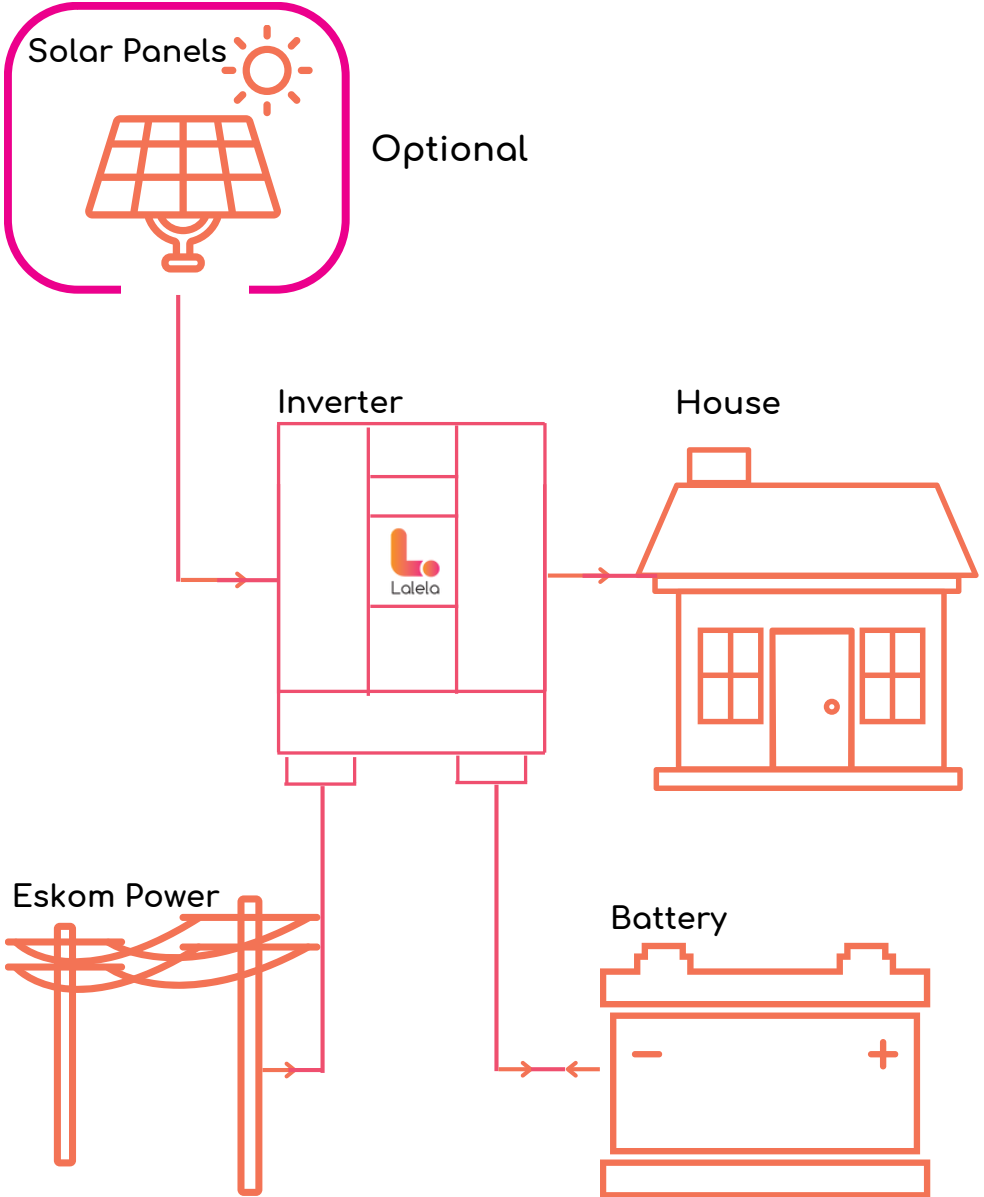
Back Up
Power and /
or Solar

- Can be wired into your DB board
- Requires 4 x 12V batteries or a single 51.2 V Lithium battery (Sold separately)
- Automatic change over from Eskom power to backup power

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	48VDC
INVERTER OUTPUT	Rated Power	5000W
	Surge Power	10000W
	Waveform	Pure sine wave
	AC Voltage Regulation (Batt.Mode)	220VAC-240VAC(setting)
	Electric Current	21.7A
	Inverter Efficiency(Peak)	93%
	Transfer Time	10ms (UPS \ VDE4105) 20ms (APL)
AC INPUT	Voltage	230VAC
	Selectable Voltage Range	170-280VAC(UPS), 90-280VAC(APL), 184-253VAC(VDE4105)
	Frequency Range	50Hz \ 60Hz(Auto sensing)
BATTERY	Normal voltage	48VDC
	Floating Charge Voltage	54.8VDC
	Overcharge Protection	60VDC
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	145VDC
	PV Array MPPT Voltage Range	64-130VDC
	Standby Power Consumption	2W
	Maximum PV Array Power	4000W
	Maximum Solar Charge Current	80A
	Maximum Efficiency	98%
	Maximum AC Charge Current	60A
	Maximum Charge Current	140A
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	297.5*468*125mm
	Package Dimensions (W*H*D)(mm)	610*405*241mm
	Net Weight(kg)	10
	Gross Weight(kg)	12.6
OTHER	Humidity	5% to 95% Relative Humidity (Non-condensing)
	Operating Temperature	0°C -55°C
	Storage Temperature	15°C -60°C