

Stay

powered up

During

Loadshedding

Model:
LAL-5200 PRO-MPPT



- 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



Lalela Hybrid Inverter

48V 5200VA / 5200W

For Load Shedding Backup and Solar

48V /
5200W
Inverter

Solar Charge
80 A MPPT MAX
PV Array Open
Circuit
Voltage : 450 V

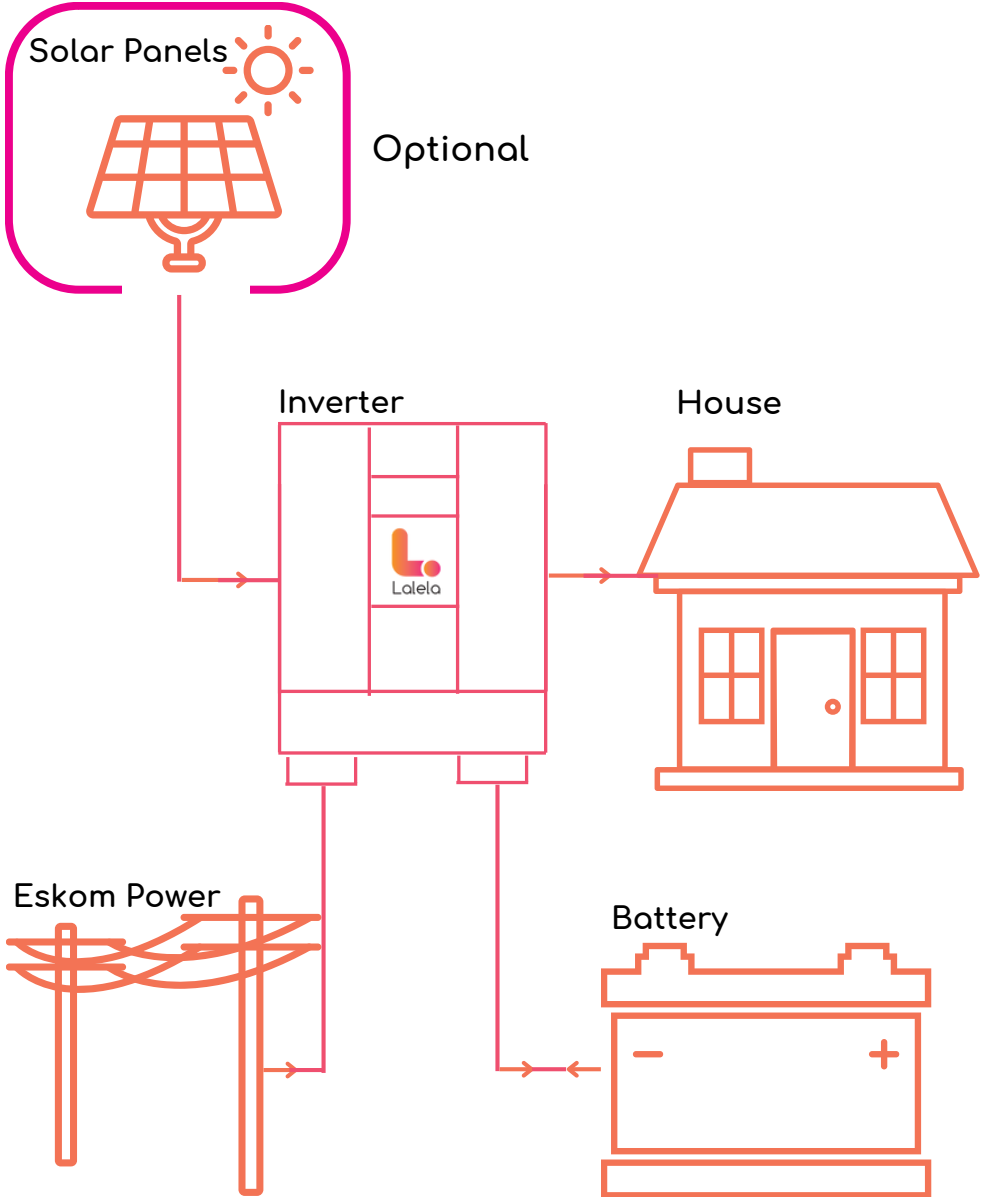
Pure
Sinewave

Can provide
power to the
load without
battery

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	5200VA / 5200W
	Surge Power	10400W
	Waveform	Pure sine wave
	AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)
	Inverter Efficiency(Peak)	93%
	Transfer Time	10ms (UPS / VDE4105) / 20ms (APL)
AC INPUT	Voltage	230VAC±5%
	Selectable Voltage Range	170-280VAC(UPS) / 90-280VAC(APL) / 184-253VAC(VED4105)
	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	450VDC
	Maximum PV current	18A
	PV Array MPPT Voltage Range	150-430 VDC
	Maximum Solar Charge Current	80Amp
	Maximum AC Charge Current	60Amp
	Maximum Charge Current	80Amp
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	295*528*121
	Package Dimensions (W*H*D)(mm)	628*425*251
	Net Weight(kg)	14
	Gross Weight(kg)	15
OTHER	Humidity	5% to 95% Relative humidity (Non-condensing)
	Operating Temperature	0°C-50°C
	Storage Temperature	-15°C -60°C