

AI TECHNOLOGY THAT PERFECTLY BALANCES
MAXIMIZING YOUR SOLAR SAVINGS WITH
SAFEGUARDING YOU AGAINST LOADSHEDDING



WWW.GREENPRINTSA.COM

THE PROBLEM

You have installed a solar system in your home, office or retail store

To ensure that you are protected against load shedding

To save money and move away from Eskom and your increasing costs

Solar installers have the impossible task of needing to balance the minimum battery settings for load shedding protection at the cost of client saving grid electricity costs. This protection from loadshedding results in a significant PV generation loss due to the dynamics and complex nature of power issues in South Africa.

THE SOLUTION

Greenprint Boost is a learning AI solution that models your consumption, loadshedding schedule, PV generation, weather and battery information to automatically adjust the battery levels required to ensure you have minimal impact from loadshedding whilst at the same time ensuring maximum solar savings are achieved.

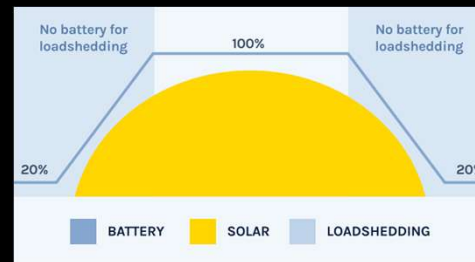


WHEN NO LOADSHEDDING IS EXPECTED

We ensure the system is set to maximize PV generation

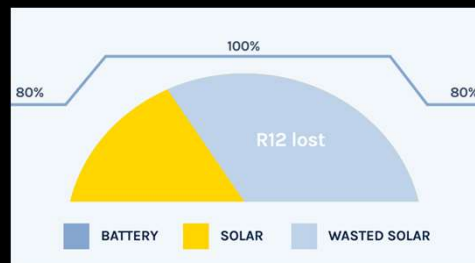
Installer settings to protect against load shedding results in a full battery during the peak solar generation hours resulting in excess PV wasted

Greenprint Boost ensures configuration is dynamically changed to ensure maximum PV generation is saved to the battery and fully utilized at night. All this whilst minimising the risk of a loss of power during load shedding.



GREENPRINT BOOST

balances & optimizes the best of both



WHEN LOADSHEDDING IS EXPECTED

Using load shedding announcements Greenprint Boost identifies which of your systems will be affected. Using this knowledge and battery charge rates we know when to proactively change plant settings in advance of load shedding to ensure your customers are not adversely affected by load shedding whilst still getting the maximum PV benefit.

OPTIMUM STATE OF BATTERY CHARGE

By analysing each plant, Greenprint Boost will be able to determine the optimum state of charge required for a specific system prior to load shedding. We use past loads and forecasted PV generation with a 95% confidence interval to provide very high certainty of sufficient battery whilst not so high that significant PV generation is lost.

SUPPLEMENTED BY GRID SUPPLY

When weather limits PV generation and the system cannot sufficiently charge batteries to a safe level for load shedding Greenprint Boost will supplement supply from the grid to ensure your customers have sufficient power during load shedding.



SO WHAT?

- ① Reduce cost & boost savings and still experiencing no load shedding as a result of the battery being charged sufficiently.

- ② Reduce the valuable time you spend on managing system during load shedding.

- ③ Monthly reports will be sent to you, showing the actual Rand value Greenprint Boost adds to your pocket with this service.

- ④ No further maintenance contracts will be required

Maximize saving, while you're always on.

HOW WILL IT HELP ME?

You will maximise your savings – making sure that your solar system is doing the most it can for you

Greenprint Boost ensures that maximum solar generation is achieved during daylight hours

You will receive monthly reports indicating savings achieved for the month, year, and term of subscription

Better protection

We'll notify you of imminent load shedding, loss of grid power (including unplanned), resumption of grid power, low battery levels when there is no grid power.

Its all automated, our notifications help you plan around load shedding and manage your load without thinking about whether settings need to be adjusted

info@greenprintsa.com
0120126035
www.greenprintsa.com