

Understanding Load Shedding & Inverter Overloading

During load shedding or emergency power supply (EPS) there is a **load limit of 4.6kW** of power that can be used.

During this period please turn off all high load items on your DB Board and only use essential light load items like Lights, TV, ADSL, Computers, Security and Fridges etc.

Your SOLAX Box will **beep** until grid power is restored.

If your power goes off during load shedding it means you have **overloaded your SOLAX Box** and used more than 4.6kW.

'Fault' will light up on your SOLAX Box screen. If you touch on it you will see an OCP error (over current protection) or inverter 'overload error' listed on the error log.

Steps to restart your system if overloaded.

- **Turn off all circuit breakers** on your DB Board (except main switch & earth leakage)
- Turn on your lights circuit breaker
- Reset the inverter (follow the video or the steps outlined below)
- Turn on only the low current plug circuits that you need, one item at a time to avoid overload

Keep high current items off at your DB Board

- Geysers
- Borehole Pumps, Water Pumps, Pool Pumps
- Air conditioners
- Ovens
- Electric Cars

Water boost pumps may have inductive motors and can have huge current spikes on start-up that may cause your SOLAX Box to overload. If your pump overloads your SOLAX Box keep them off during load shedding.

To avoid overload only use **one high load item at a time** i.e.: - boil kettle, then use the microwave then make toast.

Please use power sparingly during load shedding at night as your SOLAX Box will shut down when your **battery level reaches 20%** remaining.

Video Help

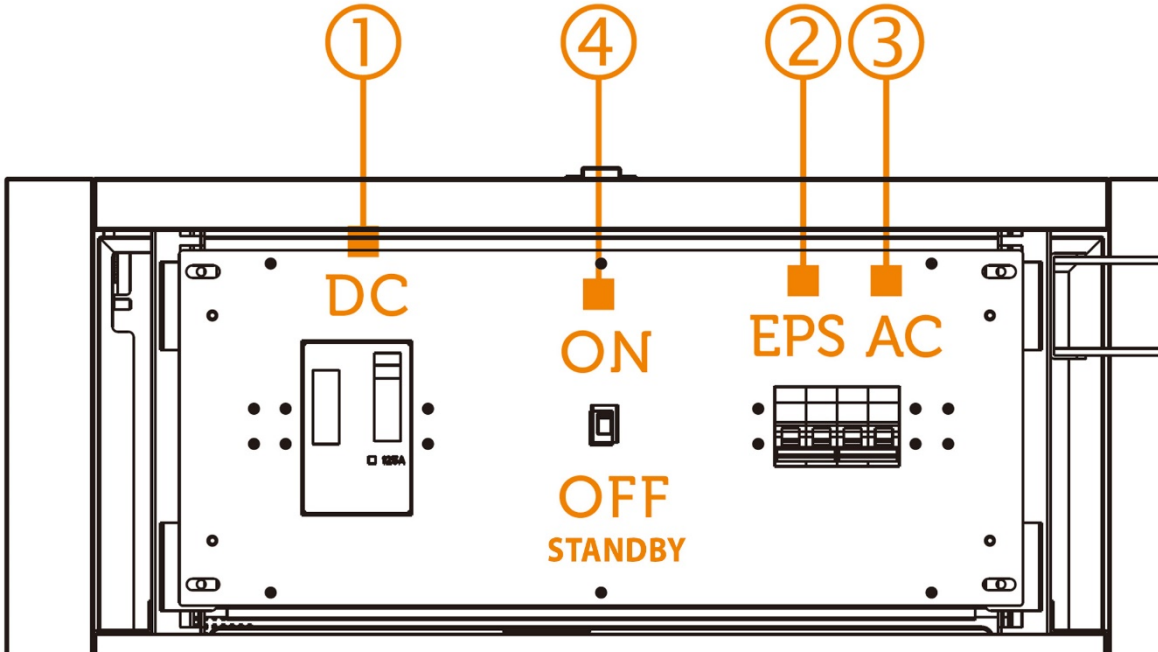
How your SOLAX Inverter Works	https://youtu.be/tsLApkd4_Mk
How to setup WiFi Monitoring on the SOLAX Box	https://youtu.be/Os4c4L5LY7c
How to reset your Inverter overloading during load shedding	https://youtu.be/aF1ekJzLp7U
How to set your SOLAX Box battery cut off to load-shedding footing	https://youtu.be/p7ol6l3IKfl
SOLAX Box Screen Reset	https://youtu.be/xFTHRb3JaCQ

SOLAX Box Manual Restart Steps

If you can't get your system back up and running please manually restart as below.

Steps to recover your system if overloaded.

- Turn off all circuit breakers on your DB Board (except main switch & Earth Leakage)
- Turn on your lights circuit breaker
- Reset the inverter (follow the video or the steps outlined below)
- Turn on only the low current plug circuits that you need, one at a time to avoid overload (Lights, TV, ADSL, Computers, Security, and Fridges etc.)



SOLAX BOX power off steps:

- Step1: Turn off On/Off switch.(On control box) ④
Step2: Turn off AC breaker. ③
Step3: Turn off EPS breaker. ②
Step4: Turn off DC breaker. ①

SOLAX BOX boot steps:

- Step1: Turn on DC breaker. ①
Step2: Turn on EPS breaker. ②
Step3: Turn on AC breaker. ③
Step4: Turn on On/Off switch.(On control box) ④

