NEOVOLTA®

Solarman SMART App User Guide

www.neovolta.com Support: 800-364-5464





System Overview - Basics:

- When the sun comes up, the inverter prioritizes where the power goes.
- AC Solar powers the home critical loads first. Once these loads are satisfied, the inverter then recharges the battery.
- Once the home critical loads are satisfied and the battery is fully recharged, the AC Solar is sent to the Main Service Panel (MSP). It is either used or it is sent to the Utility for a Net Energy Metering (NEM) credit.
- DC Solar powers the battery first. Once the battery if fully recharged, the inverter inverts the DC Solar to power the home critical loads and also sends solar to the MSP.
- Excess solar is also sent to the Utility for a NEM credit.
- After 4pm, per setting, the battery will be ready to first augment solar power to satisfy the home's needs. Upon sunset, the battery will power the home.
- The installer can adjust settings to select a higher battery reserve in case of grid outage.
- The installer can adjust settings to to charge the battery from the gird.

Grid Outage:

- If the grid outage occurs during the day, your solar will remain on (AC and/or DC Solar).
- If the grid outage occurs when the battery is discharging, then the battery will continue to discharge down to set minimums.
- If the battery becomes depleted during a grid outage, then there is enough battery reserve to continue powering the inverter.
- Both AC and DC Solar will come on once solar system voltage reaches 125 Volts. Once the battery recharges to 26%, home critical loads will again be powered.



Main Dashboard Page (Top):





Main Dashboard Page (Bottom):

Select "Statistics" to view Historical Data





Main Dashboard Page (Statistics) to view historical data:

Tap Month, Year, or Total and then tap the chart area to view Parameters.





Main Dashboard Page (Statistics) to view historical data:



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Parameter Selection							
Energy Purchased							
Energy Charged							
E	Energy Discharged						
s	Self-used Rate						
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Parameter Selection (Up to 2 at a time)

Production: Both AC and DC Solar totals in kWhs

Feed-in: Solar going to the MSP/Utility in kWhs

Energy Charged: Battery charging in kWhs

Self Use Rate: Shows Home Solar and Battery usage in kWhs **Consumption:** Home Use in kWhs

Energy Purchased: Power being bought from Utility in kWhs

Energy Discharged: Battery discharging in kWhs

Select CONFIRM to show values



Main Dashboard Page (Device):

Main Dashboard Page (Alert):



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