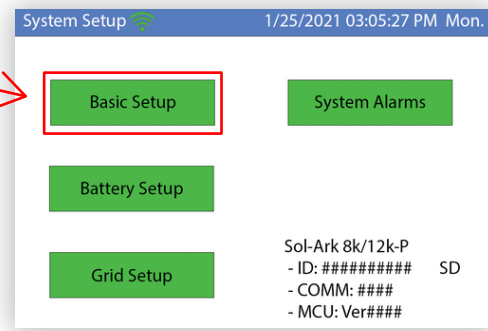
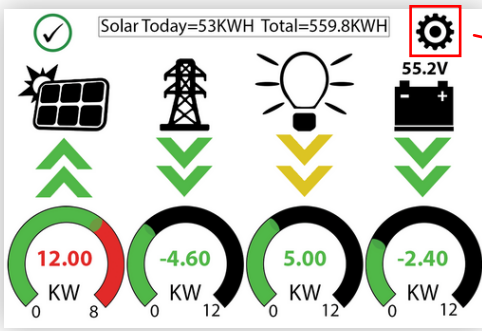
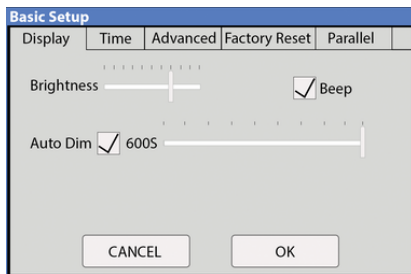


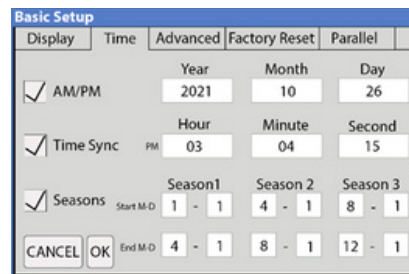
Basic Setup Commissioning



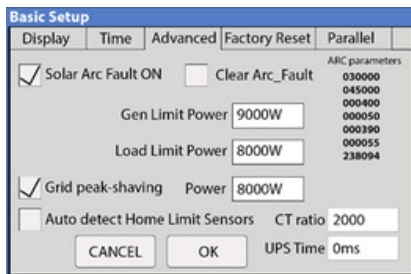
You MUST press "OK" after any setting changes



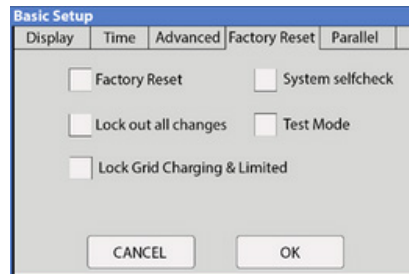
- Deselect "Beep"
- Select "Auto Dim"



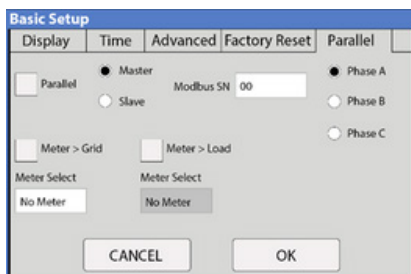
- Enable Time Sync
- Set TOU seasons (If needed)



- Select "Solar Arc Fault ON"
- Gen Peak Shaving to avoid overloading gens
- Grid Peak Shaving to avoid high TOU costs



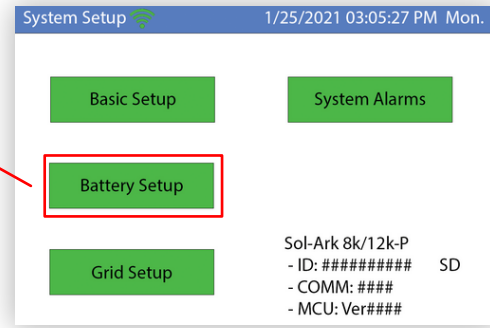
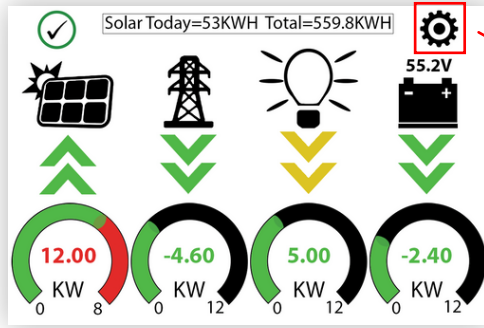
- Only important setting is Factory Reset if needed



If stacking in parallel:

- Select "Parallel"
- Main Inverter = "Master"
- Master = "Modbus SN 01"
- Phase A if in 120/240V
- Paralleled inverters = "Slave"
- Slave = "Modbus SN 02...03+"

Battery Setup Commissioning



You MUST press "OK" after any setting changes

Batt	Charge	Discharge	Smart Load	Wind Turbine
Batt Capacity	200Ah	<input checked="" type="checkbox"/> Use Batt V Charged		
Max A Charge	100A	<input type="checkbox"/> Use Batt % Charged		
Max A Discharge	185A	<input type="checkbox"/> No Battery		
TEMPCO	-0mV/C/Cell	<input type="checkbox"/> BMS Lithium Batt	00	
		<input checked="" type="checkbox"/> Activate Battery		

- Set values according to battery specs
- No Batt systems = "No Battery"
- Use Batt % recommended
- Activate Battery

Batt	Charge	Discharge	Smart Load	Wind Turbine
StartV	49.0V	49.0V	Float V	54.8V
Start%	30%	30%	Absorbtion V	54.9V
A	40A	100A	Equalization V	55.0V
	<input type="checkbox"/> Gen Charge	<input checked="" type="checkbox"/> Grid Charge		30 Days
				0.0 Hours

- Set proper batt values
- Gen/Grid Charge: Start% - value for batts to receive charge A-Amps used to charge

Batt	Charge	Discharge	Smart Load	Wind Turbine
Shutdown	46.0V	20%	Batt Resistance	25mOhms
Low Batt	47.5V	35%	Batt Charge Efficiency	99.0%
Restart	52.0V	50%		
Batt Empty V	47.0V	<input type="checkbox"/> BMS_Err_Stop		

- Batt is full → Skips restart → Warns "Low Batt" → Shuts down
- Restart value when inverter restarts
- Batt empty from specs
- Batt resistance & charge efficiency from specs

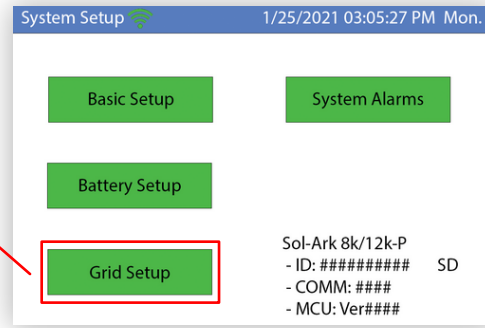
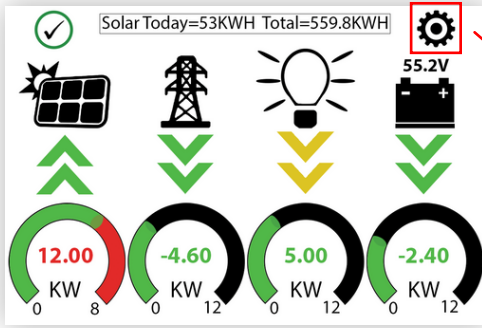
Batt	Charge	Discharge	Smart Load	Wind Turbine
<input type="checkbox"/> Use gen input as load output			<input type="checkbox"/> For AC Coupled Input	
<input type="checkbox"/> On Grid always on			High Frz	62.00Hz
Smart Load OFF Batt	51.0V	80%	<input type="checkbox"/> Zero Export	
Smart Load ON Batt	54.0V	90%	Solar Power(W)	500W

- "Use gen input as load output" for Smart Load capabilities
- "On Grid always on" to keep the gen terminal on if the grid is active
- "For AC Coupled Input" if you use an external AC source such as micros
- "Zero Export" value always pulled from the grid to avoid selling back
- "Smart Load OFF/ON Batt" changes meaning if "For AC Coupled Input"

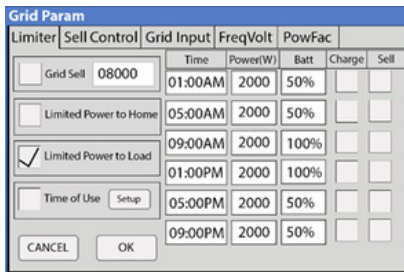
Batt	Charge	Discharge	Smart Load	Wind Turbine
<input type="checkbox"/> DC1 for Wind Turbine			<input type="checkbox"/> DC2 for Wind Turbine	
V1	90V	0.0A	V7	210V
V2	110V	1.5A	V8	230V
V3	130V	3.0A	V9	250V
V4	150V	4.5A	V10	270V
V5	170V	6.0A	V11	290V
V6	190V	7.5A	V12	310V

- Tab for wind partners DO NOT use

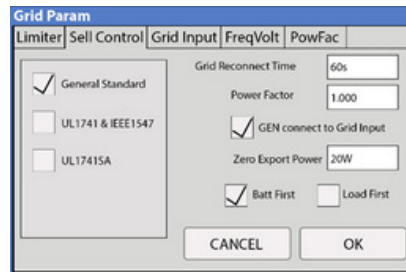
Grid Setup Commissioning



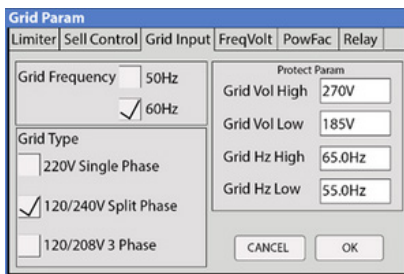
You MUST press "OK" after any setting changes



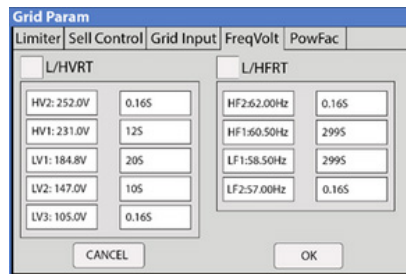
- Choose work mode
 - Grid Sell: sells maximum production to the grid
 - Lim to Home: matches demand of home (Grid + Load)
 - Lim to Load: Matches demand of loads only
- Set up ToU if needed: Use batts with Grid ON



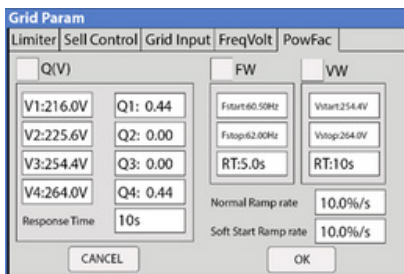
- Select Grid Parameters
- Decrease grid reconnect time if you have a generator
- Zero Export: power drawn from the grid to prevent selling



- Select your Grid Frequency
- Select your Grid Type
- Set disconnect parameters
 - Widen parameters for generators on grid



- Low/High Voltage Ridethrough
- Low/High Frequency Ridethrough
 - Hold on to the grid for longer



- If HECO requires it
- If Sol-Ark Support tells you to use it