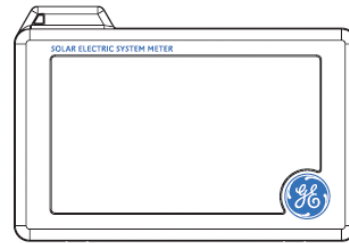
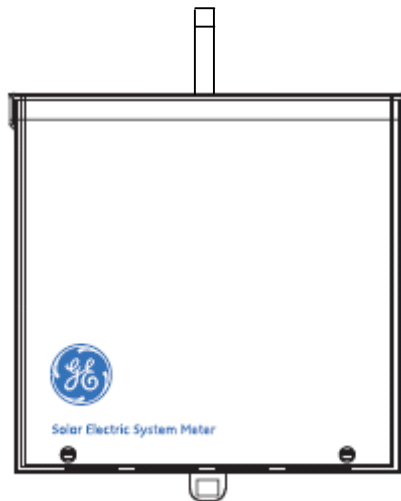


# Solar Electric System Meter

## Installation & User Manual



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## INTRODUCTION

Congratulations on owning a GE Brilliance™ solar home system and thank you for making a conscious decision to save our environment through the use of renewable energy!




This Wireless Meter portion of the Brilliance system will allow you to not only track the performance of your solar system but also enables you to obtain real-time feedback and long term comparison of your home energy consumption. The unit will compare the house consumption and Photovoltaic (PV) production for real-time power measurements in 20 second intervals, graphs and maximums of daily, weekly, and monthly energy generated and consumed, as well as total energy since system installation. This is a habit-changing device that we hope you enjoy and tell your friends about.

This manual contains installation and setup steps as well as general use and troubleshooting information so keep it on file. Most importantly, due to the need to access the utility feed of your main panel, a certified electrician is required to install the transducer portion of the kit.

## SAFETY LEGEND








This manual contains important instructions for the GE Energy Power System Meter that should be followed during installation and maintenance of the product. This entire manual must be read and understood prior to installing the system.

### Safety Symbol Legend

 <b>Warning</b>	<b><u>Warning:</u></b> Indicates a procedure, condition, or statement that, if not strictly observed, could result in personal injury or death.
 <b>Caution</b>	<b><u>Caution:</u></b> Indicates a procedure, condition, or statement that, if not strictly observed, could result in damage to or destruction of equipment.
 <b>Attention</b>	<b><u>Attention:</u></b> Indicates a procedure, condition, or statement that should be strictly followed in order to optimize these applications.

**Note:** A note indicates an essential or important procedure, condition, or statement.

## SAFETY POINTS & CERTIFICATIONS

 Warning	Before installing or using this product, read all instructions and cautionary markings located in this manual and in or on associated equipment. All electrical work shall be done in accordance with the local and national electrical codes ANSI/NFPA 70. Only qualified personnel should perform this installation.
 Warning	All disconnect and power sources must be locked out and tagged out before the installation begins.
 Caution	Only trained personnel familiar with the principles of electricity and electrical equipment should install this meter. Use properly insulated tools and appropriate protective equipment (safety glasses and electrical rated gloves).
 Caution	To minimize the hazard of electric shock or burns, approved grounding practices and procedures must be strictly followed.
 Caution	This product contains no user serviceable parts. Do not attempt to repair this product.
 Attention	Remove all jewelry such as rings, bracelets, necklaces, etc., while installing this product. This will greatly reduce the chance of accidental exposure to live circuits.
 Attention	This product is not for use on battery backup type PV systems



This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.






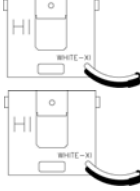
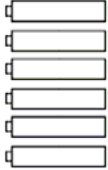
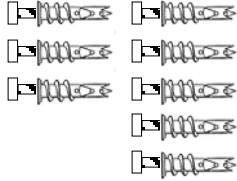

This product is certified to UL-1741 standard


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## INCLUDED COMPONENTS

The following is a list of the components included, the tools required, and the items that are not included

INCLUDED IN KIT			
<b>(1x) Transducer Box</b> 	<b>(1x) LCD Display</b> 	<b>(1x) 200A Split Core CT for 1 PV inverter</b> 	<b>(2x) 200A Solid Core CT for House Load</b> 
<b>(6x) AA Energizer or Duracell Batteries</b> 	<b>(8x) EZ Mount Wall Anchor &amp; Screws</b> 	<b>User &amp; Install Manual</b> 	

OPTIONAL
<b>Inverter Add-on Kit</b> <b>(1x) 200A Solid Core CT</b> 

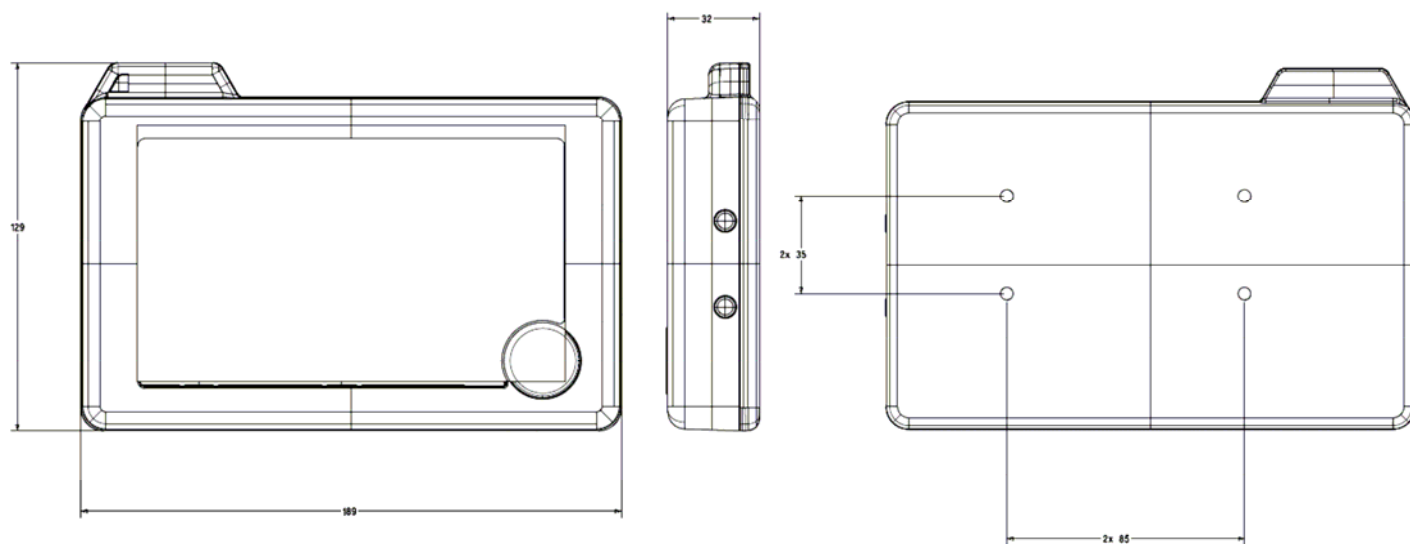
Not Included
Conduit and related hardware for connecting AC power to 120V source and for connecting CTs to the Utility panel
Minimum 14 AWG Ground wire to ground transducer box
120 VAC 15 amp breaker for transducer power

Tools Required
Small Flat head screwdriver
Drill or medium size phillips head screwdriver to screw E-Z anchor into drywall
Wire cutter and wire stripper
Multimeter which measures AC Voltage

## SYSTEM SPECIFICATIONS

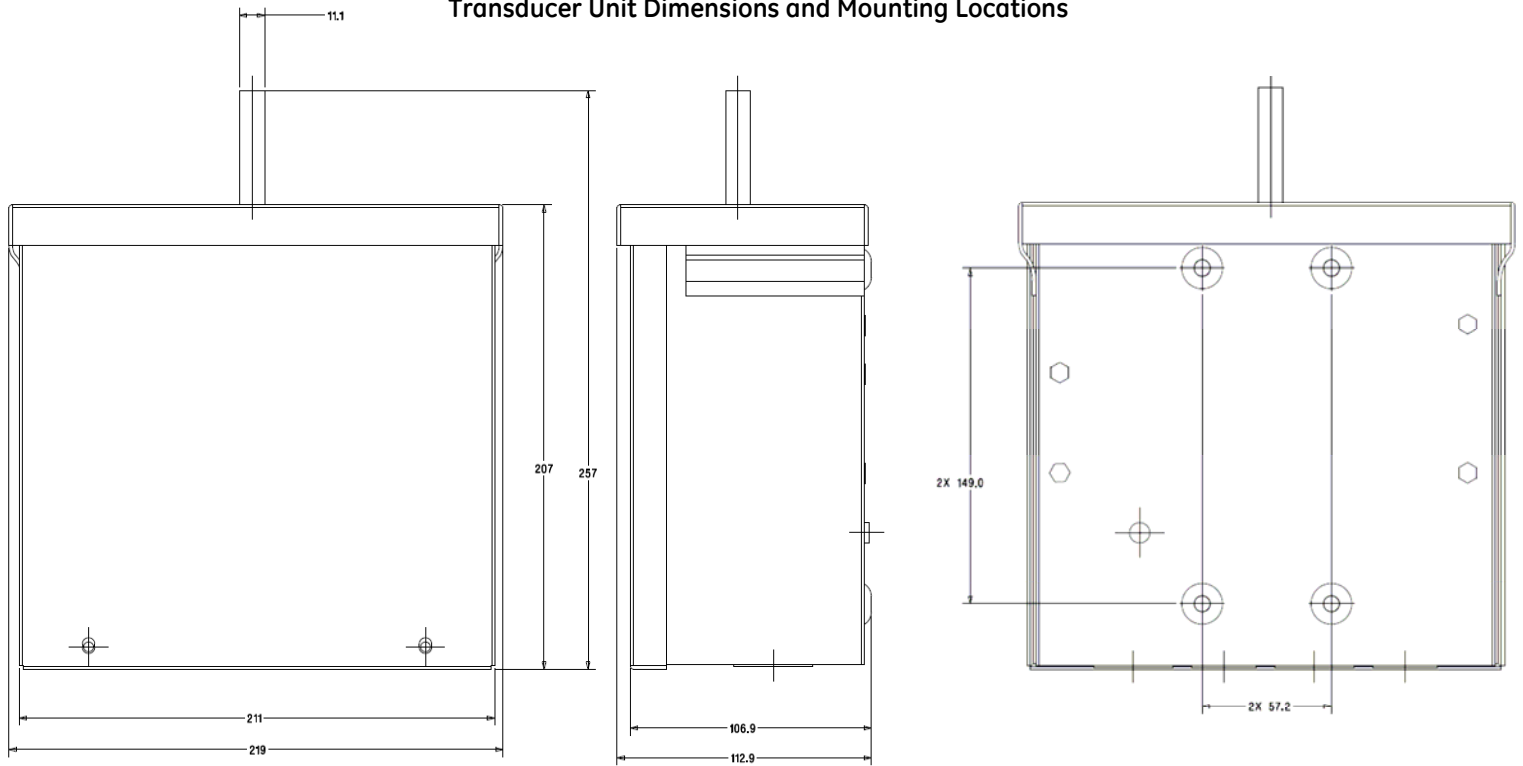
	Transducer	Display
<b>Electrical &amp; Communication</b>		
Power Requirements:	120VAC, 60Hz; CR1220 3Volt cell coin battery	6 AA Energizer or Duracell; CR1220 3Volt cell coin battery
Max Load Panel Current	200A	n/a
Estimated battery life:	n/a	12-20 months (depending upon mode selected) using Duracell™ or equivalent quality Alkaline batteries
Meter Accuracy:	+/- 5%	
Measurement Range:	200W min to 24,000 W max	
Wireless Radio Frequency:	902-928 MHz (for use in USA only)	
Communication Range:	150ft (through 3 gypsum board covered walls)	
Current Transformers:	For House Load: Two 0.75" opening 200Amp max split core CTs with 0.333V at 150Amps; For Solar Production: One 0.75" opening solid core CT 200Amp max with 0.333V at 150Amps	
Inverter Configuration:	Measures 120V or 240V inverter products	
Inverter Qty:	Up to 2 inverters (when more than 2 inverters are used a subpanel is required)	
<b>Environmental</b>		
Operating Temperature:	-20 to 70C	0-50C
Enclosure Rating:	Nema 3R	N/A
<b>Mechanical</b>		
Dimensions:	219 x 257 x 119.9 mm (includes antenna)	129 x 189 x 32 mm
Mechanical Compatability	Product is designed to integrate with GE Brilliance™ or Xantrex GT series Grid-tie inverters	n/a
Weight:	10 lbs	1 lb (including batteries)
Certifications:	UL certified to standard 1741	n/a
	FCC (Federal Communication Commission) certified	
	CEC (California Energy Comission) certified for use with solar energy systems	

### Display Unit Dimensions and Mounting Locations

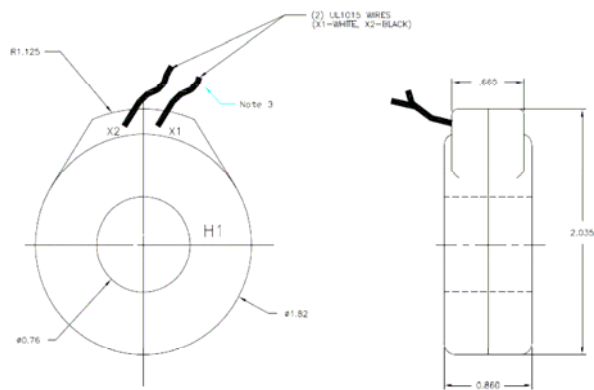


# Solar Electric Meter Installation and User Manual

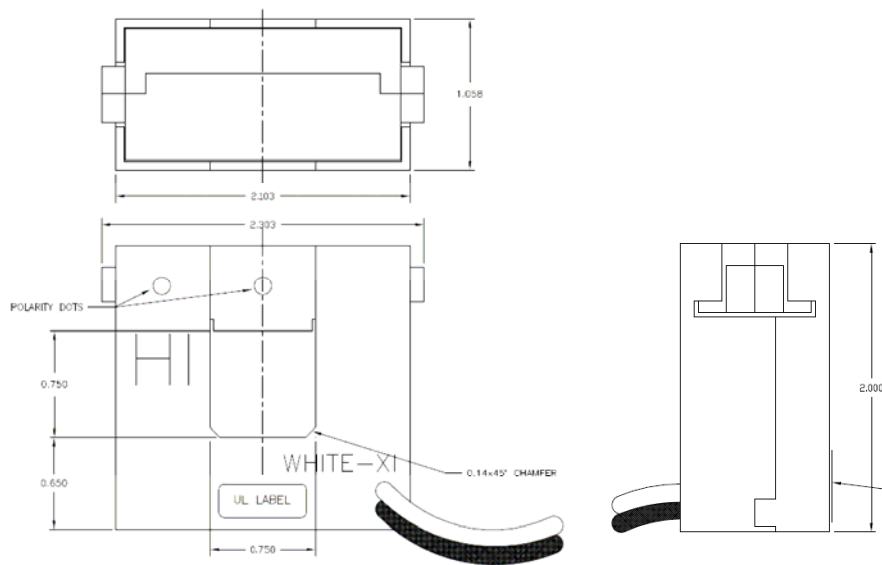
## Transducer Unit Dimensions and Mounting Locations



## Solid Core CT Dimensions (For PV measurement)

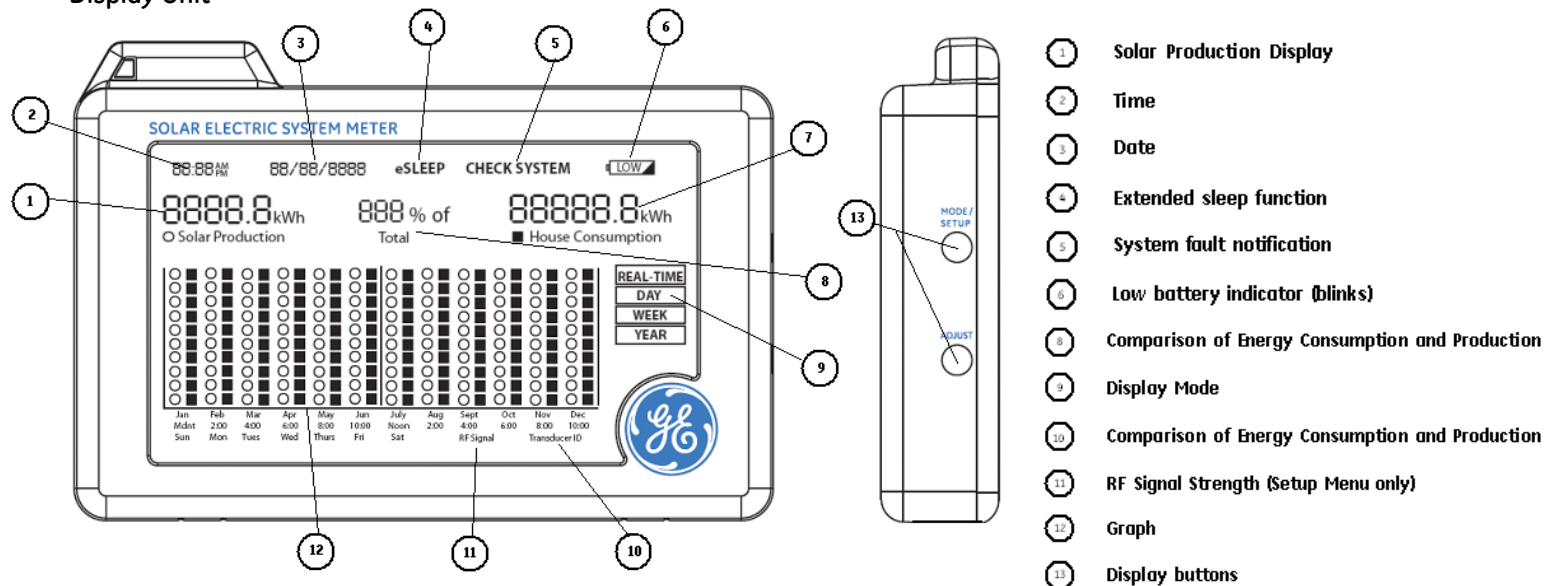


## Split Core CT Dimensions (For Utility measurement)

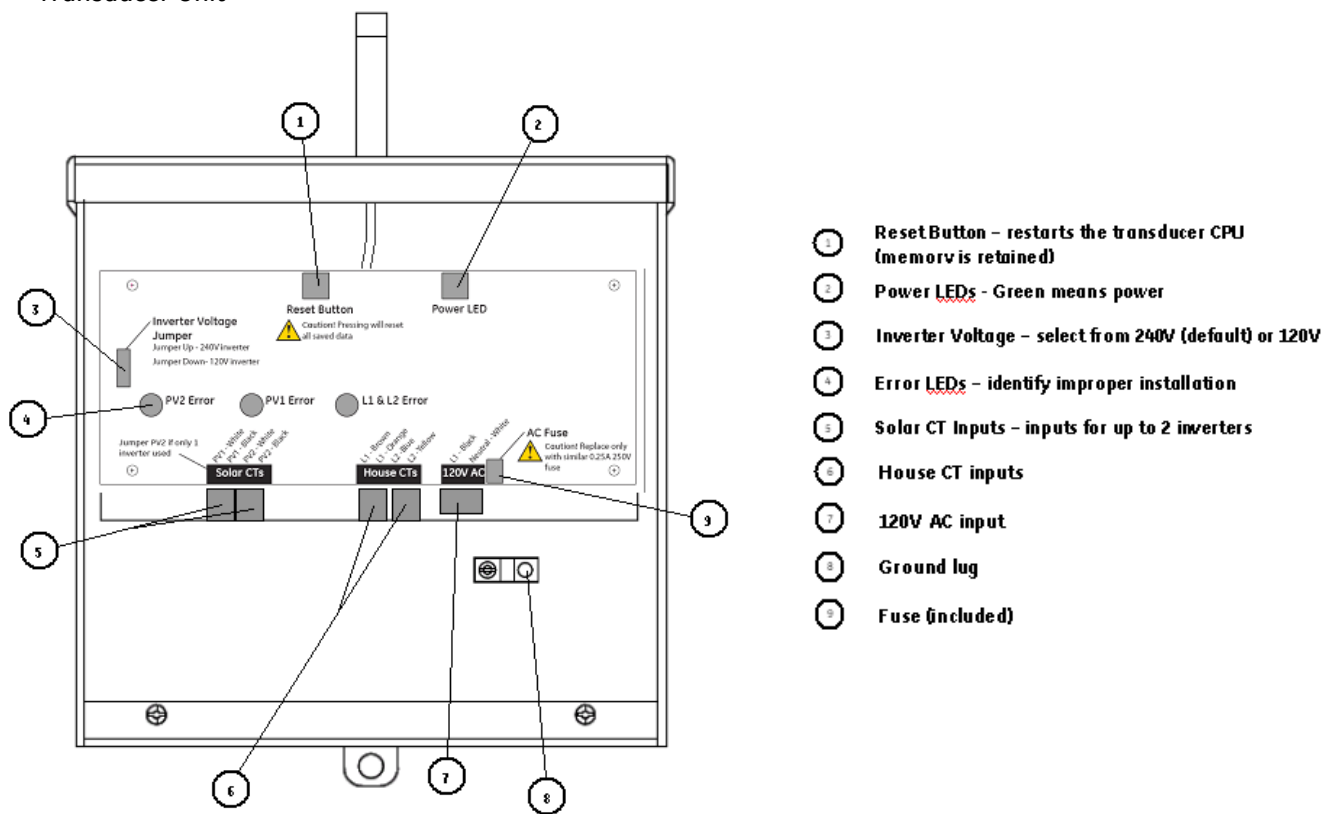


## FUNCTIONS

### Display Unit



### Transducer Unit







## SETTING UP THE DISPLAY


To enter the setup menu press the  button for more than 5 seconds.

Once in setup mode you will scroll through 8 separate modes.

To Scroll to the next setting use: 

To adjust a setting use: 

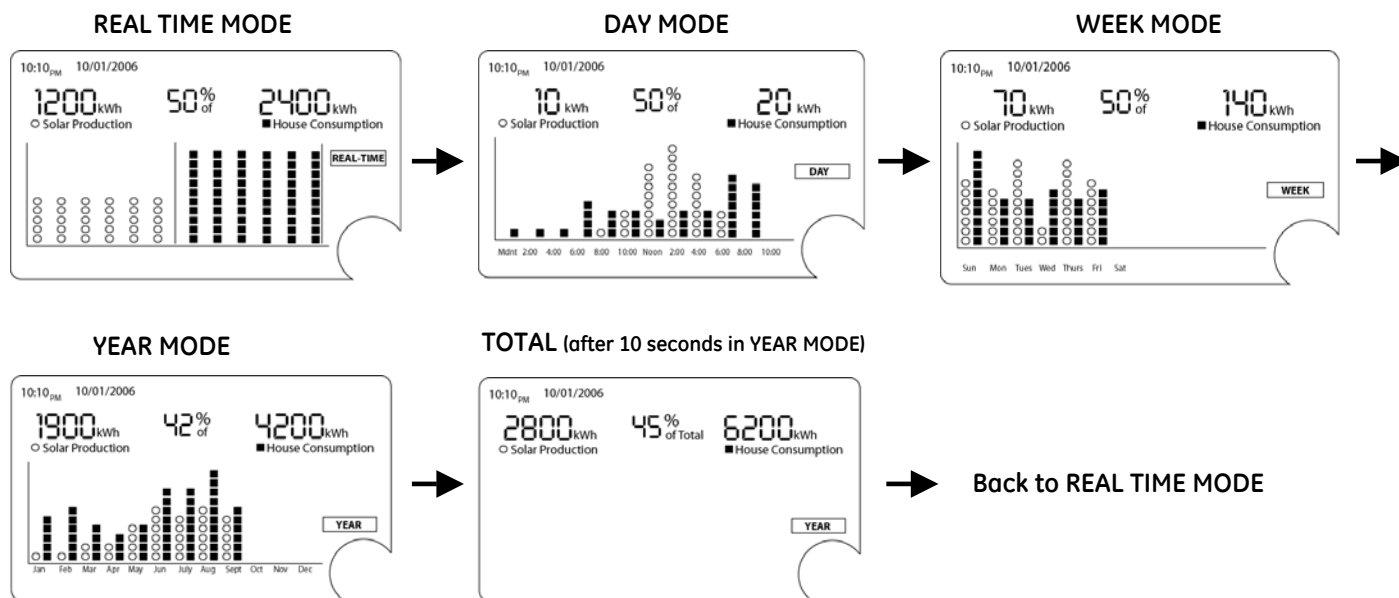
To exit the setup, either do not press any buttons for 10 seconds or press  for 5 seconds.

Setup Code	Mode	Description
<b>S001</b>	Time	Allows you to adjust the time.
<b>S002</b>	Date	Allows you to adjust the date.
<b>S003</b>	Weekday (1-7 for Sunday –Saturday)	Selects the weekday. The  on the display screen identifies the current day selected.
<b>S004</b>	Transducer ID	Allows you to select the transducer unit your display will communicate with. The ID is located on the Transducer label. The ID must be correct in order to receive a signal. <div data-bbox="846 852 1109 1184" data-label="Image"> </div>
<b>S005</b>	RF Signal display	Displays the strength of the RF signal. The signal strength is updated every 2-3 seconds. <b>NOTE:</b> The signal will be displayed only after the Transducer ID is set correctly.
<b>S006</b>	PV + house/ PV only toggle	Switches the display between PV only and PV + house consumption. In some cases the house consumption may not be used (refer to <b>Installation STEP 6</b> for specific details).
<b>S007</b>	Esleep toggle (On/OFF)	This feature extends battery life by more than 2x. and is an option for those who do not expect to be around during the day. Pressing any button when the display is in the sleep mode will wake it up for 15 minutes.  <b>ESLEEP OFF</b> operates the display from 6:00 AM to 10:30PM.  <b>ESLEEP On</b> operates the display between 6:00 AM and 10:00 AM and again between 4:00PM and 10:30PM
<b>S008</b>	Fixed/Dynamic Scale toggle (F/d)	This function changes how all graphs are displayed. <b>F</b> For fixed scale, the default are 1kWh/icon for <b>Day Mode</b> , 20kWh/icon for <b>Week Mode</b> ,



		<p>100kWh/icon for <b>Year Mode</b> 0.2kW/icon for <b>RealTime Mode</b></p> <p>When one of the bars on the graph exceeds the maximum, all non-maxed bars will represent 1/10<sup>th</sup> the maximum power or energy value.</p> <p><b>D</b> Selects a dynamic scale for the display. In this mode the scale for Real time is the same with that in the fixed scale mode but the day, week, and year mode, the scales are determined by the latest maximum values. For example, for day mode, the maximum value in the current day will be found and the scale will be this value divided by 10. The week scale is the maximum value in the current week divided by 10. the similar is for the month scale in year mode.</p>
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## USING THE DISPLAY

The display is capable of showing the user 4 different screens including REAL TIME, DAY, WEEK, YEAR/TOTAL. The YEAR/TOTAL screen automatically transitions between one-another every 10 seconds.



To **manually scroll** through Real Time, Weekly, Monthly, and Yearly Modes press the  button.

To **automatically scroll** through the modes every 10 seconds press  +  simultaneously for more than 5 seconds. Pressing any button will exit this auto-scroll mode.

## INSTALLATION

### STEP 1: Disconnect the inverter from all power sources



#### Shock and Burn Hazard

All circuits should be de-energized. Personal protective equipment should be used during the installation process.

- A) Turn off the inverter.
- B) Turn off the DC solar array input to the inverter.
- C) Turn off the DC battery breaker to the inverter (Battery backup systems).
- D) Turn off the AC output breaker from the inverter.

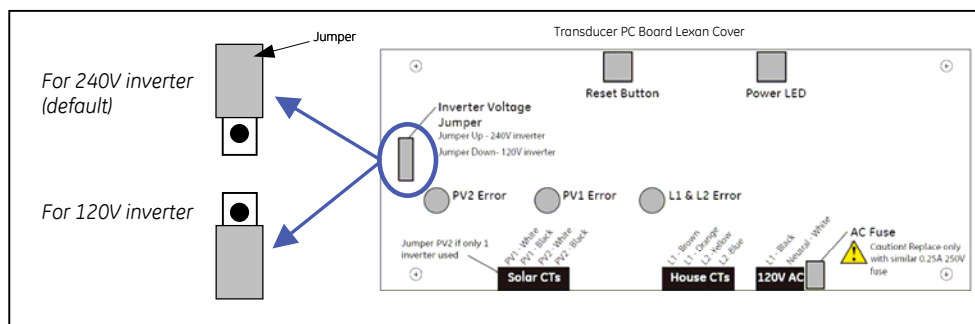
### STEP 2: Turn off the solar system breaker in the house main panel

### STEP 3: Select location to mount the transducer & mount using included Ez-Anchor® bolts




- 1) Mount in close proximity to utility panel
- 2) In order for the RF communication to work properly, care must be taken to avoid having large metal objects directly in the path of communication.

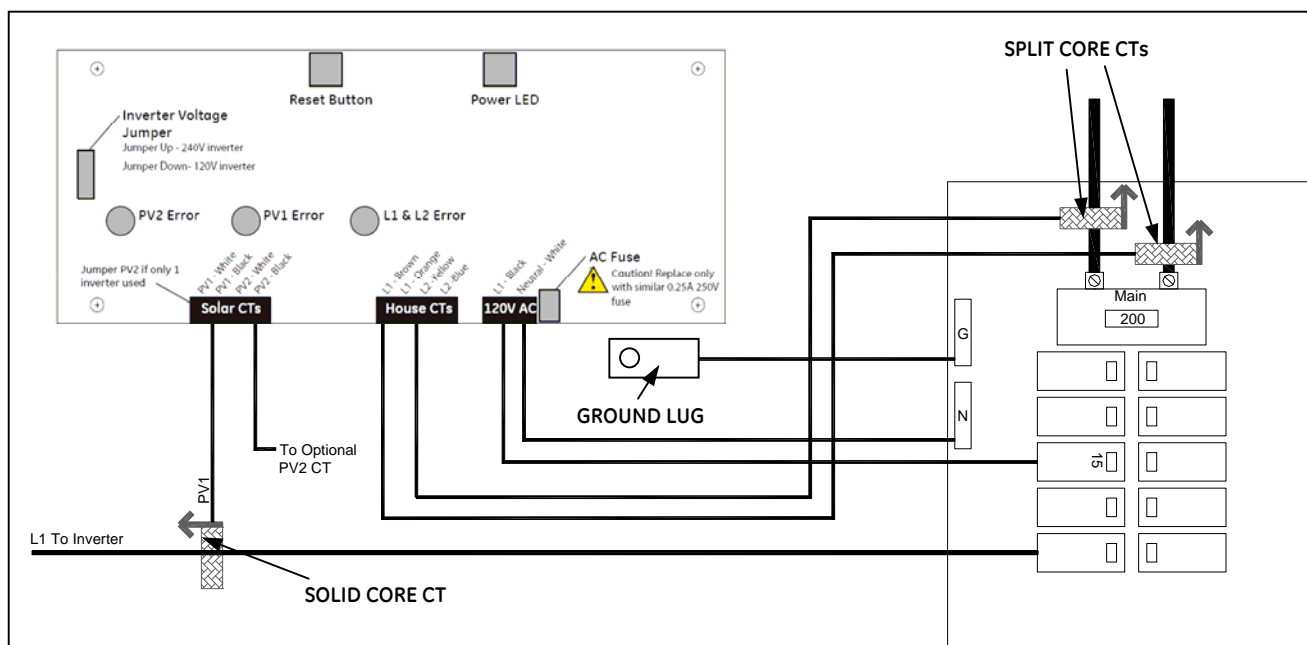
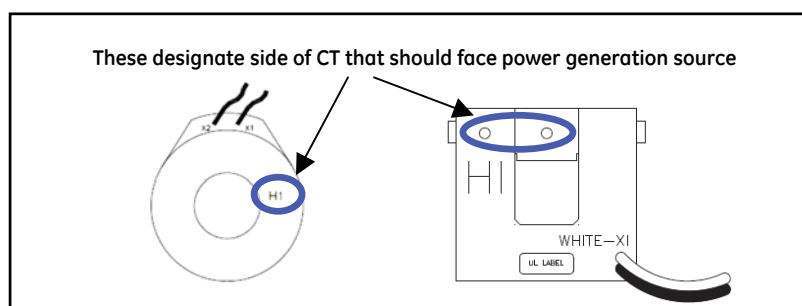
### STEP 4: If you are using a 120V inverter configuration, then change the jumper location on the transducer PC board by removing the plastic cover



- 1) Immediately replace the plastic cover before moving to the next step due to risk of electric shock!
- 2) The GE display will read twice the inverter's integrated display if a 120V inverter is used when the 240V inverter setting is jumpered on the board.


## STEP 5: Route & Connect the Current Transformers ("CT"s) based on the diagram below

 <p>Attention</p>	<ol style="list-style-type: none"> <li>1) Some houses are not compatible with CTs used to measure House Consumption. Refer to "SETTING UP THE DISPLAY" portion of the manual for properly configuring the display.</li> <li>2) Pay attention to direction of CTs and color of wires.</li> <li>3) When routing, NEC code requires that 120V AC and Current transformer wires be routed separately</li> </ol>
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## STEP 6: De-energize the house main service panel

A) Do this by opening the Main Breaker

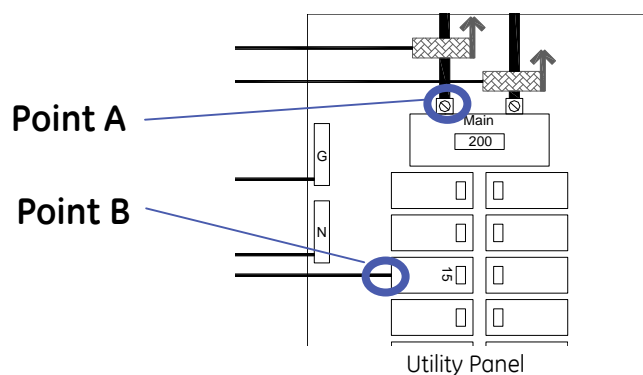
	<p>To prevent risk of shock when dealing with live panel wires <b>USE ELECTRICAL RATED GLOVES</b></p>
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## STEP 7: Verify that Line 1 for AC power is on the same Line as the House CT Line 1

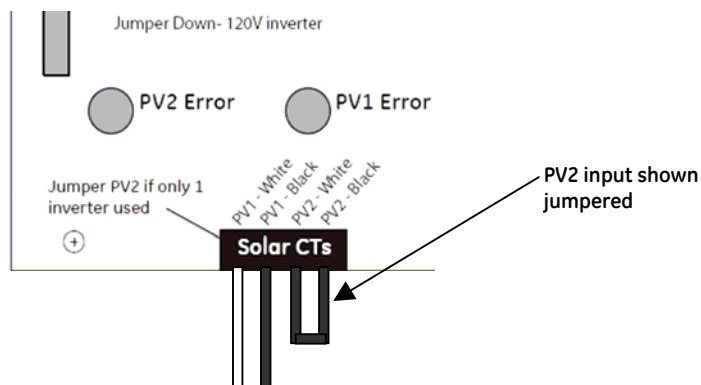
A) Using a multimeter, test the AC Voltage between your designated LINE 1 CT and the transducer's 15Amp breaker as shown in the diagram.

B) Assuming Point "A" is associated with LINE 1, the Voltage measured between "A" and "B" must equal 0.0 Volts.

C) If Line Voltage is 240V, then rewire CT location or move breaker to alternate busbar.



## STEP 8: If you are using only 1 inverter, make sure the "PV2" CT input is jumpered as shown




## STEP 9: Wire AC power & ground

A) AC Power should be from a 15Amp breaker located on designated phase L1.

## STEP 10: Turn Inverter on, Turn AC Power On, note any red lights on transducer panel

- A) Refer to "TROUBLESHOOTING" section of manual if error lights are lit

### STEP 11: Insert AA Batteries into Display

	<p>To maximize meter performance use only <u>Duracell</u> or <u>Energizer</u> brand Alkaline batteries. Lower quality batteries will limit display life and performance.</p>
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### STEP 12: Setup the display according to the instructions provided in the "SETTING UP THE DISPLAY" section of the manual

### STEP 13: If "F001" error occurs when screen returns from Setup Mode, press and hold bottom button for more than 5 seconds while in "F001" screen

- A) This manually resets the screen

### STEP 14: Select a place to mount the transducer

- A) Pay attention to RF signal strength by entering setup screen

### STEP 15: Verify power measurement is correct

- A) Place the display on REAL TIME MODE and wait 20 seconds for the PV and house consumption reading to normalize
- B) PV Power: Compare PV power measured on display and PV power measured on inverter. If power reading is significantly off, refer to TROUBLESHOOTING Section below.
- C) Pick a known power source such as a coffee maker or microwave paying close attention to the rated power on the product label.
- D) Note house consumption before power is turned on and after and compare. If power reading is significantly off, refer to TROUBLESHOOTING Section below on possible causes. Meter accuracy is within +/-5%.

## TROUBLESHOOTING

### TRANSDUCER

Category	Condition	Description/What is Observed	Causes & Action
Temperature	Upper temperature limit exceeded	Transducer RF stops communicating with display - data is collected even though communication stops. F002 when link was established previously. F001 when power is cycled/board reset.	<b>CAUSE:</b> Temperature has affected RF module transmission. <b>ACTION:</b> Wait for transducer unit to warm within spec limits. Turn power off and on to transducer & clear the faults in the display by pressing the lower button for 5 seconds.
Temperature	Lower temperature limit exceeded	Transducer RF stops communicating with display - data is collected even though communication stops. F002 when link was established previously. F001 when power is cycled/board reset.	<b>CAUSE:</b> Temperature has affected RF module transmission. <b>ACTION:</b> Wait for transducer unit to warm within spec limits. Turn power off and on to transducer & clear the faults in the display by pressing the lower button for 5 seconds.
Power	PV1 LED Error Light On	Error Light for PV1 CT is on	<b>CAUSE:</b> PV1 CT is not wired correctly or not facing proper direction- it may be wired in improper phase compared to L1&L2 and PV2 (if PV2 used). L1&L2 Input is not wired correctly or not facing proper direction. PV2 is not properly jumpered (if there is no second inverter). <b>ACTION:</b> Check direction and wiring of CTs carefully. Verify that system is measuring accurately. In some cases the light may remain on due to utility variances in power - In the event the system is measuring correctly and this light is on, then ignore light. NOTE: An Error light will not cause a system fault- it will only cause faulty data.
Power	PV2 LED Error Light	Error Light for PV2 CT is on	<b>CAUSE:</b> PV2 is not wired correctly or not facing proper direction. PV1 and L1&L2 input is not wired correctly or facing proper direction. PV1 is wired in opposite phase to PV2. PV2 is not jumpered if no second inverter is being used. <b>ACTION:</b> Verify wiring and direction are correct for all CTs as described in INSTALLATION STEP 5. Jumper PV2 if no second inverter is being used. NOTE: An Error light will not cause a system fault- it will only cause faulty data.
Power	L1 & L2 LED Error Light	Error Light for Line1 and Line2 CTs is on	<b>CAUSE:</b> L1&L2 not wired correctly or not facing proper direction. L1 AC power phase does not match line which L1 CT is measuring. <b>ACTION:</b> Check wiring and direction of CTs. Refer to INSTALLATION STEP 7 to verify L1 AC power and L1 line being measured by CT are same phase. NOTE: An Error light will not cause a system fault- it will only cause faulty data.

# Solar Electric Meter Installation and User Manual

## DISPLAY

Category	Condition	Description/What is Observed	Causes & Action
Temperature	Upper temperature limit exceeded	Display RF stops receiving communication with transducer. F002 when link was established previously. F001 when power is cycled/board reset.	<b>CAUSE:</b> Temperature has affected RF module transmission. <b>ACTION:</b> Wait for display unit to warm within spec limits. Clear the faults in the display by pressing the lower button for 5 seconds.
Temperature	Lower temperature limit exceeded	Display RF stops receiving communication with transducer. F002 when link was established previously. F001 when power is cycled/board reset.	<b>CAUSE:</b> Temperature has affected RF module transmission. <b>ACTION:</b> Wait for display unit to warm within spec limits. Clear the faults in the display by pressing the lower button for 5 seconds.
General	Obviously Erroneous Data on display	Obvious data error (values too high or low) reading on display- generally after initial transducer startup	<b>CAUSE:</b> Initial data sent from transducer not computed correctly. <b>ACTION:</b> Wait for approximately 2 minutes for the transducer to perform a full update to the display. If errors persist, check CT connections to transducer
General	Display House consumption power reads high/Low	Values in display do not match actual expected values	<b>CAUSE:</b> CTs not wired properly or wire connections are not being made. Split core CT caps not secured; Setting for inverter voltage not correct. <b>ACTION:</b> Check CT wire connections; Check split-core CT caps are properly clicked shut; Ensure Voltage jumper on transducer board is configured to match inverter voltage.
General	Display PV production power reads low/high	Values in display do not match actual expected values	<b>CAUSE:</b> CTs not wired properly or wire connections are not being made. Split core CT caps not secured; Setting for inverter voltage not correct. <b>ACTION:</b> Check CT wire connections; Check split-core CT caps are properly clicked shut; Ensure Voltage jumper on transducer board is configured to match inverter voltage.
Power	LOW BATTERY	LOW BATTERY blinks on display unit	<b>CAUSE:</b> Battery capacity is ~2/3rds used up. <b>ACTION:</b> Change batteries using ONLY Energizer or Duracell brand. Using other brands will result in significantly shorter duration of power.
Power	Batteries removed from display	Display powers up and communicates with transducer- two way messaging occurs initially.	<b>ACTION:</b> If TRANSDUCER ID matches transducer, then connection will occur within 20 seconds. Display contains no stored data, so data will be refreshed after initial communication
General	CHECK SYSTEM Blinking	If a fault is detected, the "CHECKSYSTEM" icon will be displayed on the LCD.	<b>CAUSE:</b> CHECK SYSTEM denotes that there is a fault in the system. <b>ACTION:</b> Pressing the upper button makes the display enter the fault mode and the fault code is displayed. Refer to the specific fault codes for a resolution of the problem.
General	Display screen goes completely blank, but comes back on when button is pressed	No data shown on LCD screen, except after pressing side buttons	<b>CAUSE:</b> Display is in SLEEP mode, or ESLEEP mode. Sleep mode is factory set between the hours of 9:30PM and 6:00AM while eSLEEP is user selectable for the hours of 9:00AM to 4:00PM and can be turned off or on in the SETUP mode. If display is in SLEEP mode during day and eSLEEP is off, check whether time is correct. <b>ACTION:</b> Enter SETUP menu to turn eSLEEP mode on or off. Verify time is correct if SLEEP is still a problem.
General	Display screen goes completely blank even after buttons are pressed	No data shown on LCD screen, even after pressing side buttons	<b>CAUSE:</b> Display batteries are no longer useable; Batteries not installed correctly; display unit damaged <b>ACTION:</b> Check direction batteries were installed; Change batteries using ONLY Energizer or Duracell brand- using other brands will result in significantly shorter duration of power; Contact dealer for replacement/repair
Communication	F002	Upon receiving data, the display will update the variables and graph display. -If the time after the latest successful receiving exceeds 2 minutes, the RF Loss fault will be triggered on the display side and "CHECKSYSTEM" blinks on the LCD. Once the RF Loss fault appears, the display will try to find if the RF signal is available every 5 minutes, if it receives the RF data again, the fault is cleared automatically.	<b>CAUSE:</b> Signal from transducer has been lost after initial connection. Power to the transducer could be disconnected, RF signal strength could be too low due to distance or signal blockage, temperature limits of transducer or display exceeded. <b>ACTION:</b> Fault will most likely reset itself after 5 minutes. If fault continues, check RF signal strength and relocate to a higher signal strength area. If fault continues replace display batteries. Pressing the upper button makes the display enter the fault mode and the fault code is displayed. In the fault mode, the faults can be cleared by pressing the lower button for 5 seconds. If temperature is a consideration, refer to temperature limit failure details.
Communication	F001	When the display works in transmit mode, if it cannot receive correct acknowledgement in 1 minute, the F001 Fault will be triggered. After the F001 RF fault appears, the display will try to establish the RF link with the transducer every 15 minutes and if successful the fault will be cleared. If the retry time exceeds 10, the display will stop to retry.	<b>CAUSE:</b> Unable to obtain signal from transducer while trying to connect for first time, transducer ID not matching, communication out of range, temperature limits of transducer or display exceeded. <b>ACTION:</b> Check transducer ID programmed in display matches that on transducer label. Check RF signal strength and relocate to a higher signal strength area. Check transducer has power. As last resort, turn transducer power off and then back on. In this case the retry times are exceeded, only a reset or a manual clearing the faults can make the display try to setup RF link with the transducer. If temperature is a consideration, refer to temperature limit failure details.
Communication	Trying to communicate to 1 transducer with multiple displays	User wants to have multiple displays communicate with 1 transducer	<b>ACTION:</b> You will be unable to configure multiple displays for 1 transducer ID.



# Solar Electric Meter Installation and User Manual

## GENERAL

Category	Condition	Description/What is Observed	Causes & Action
Communication	REAL TIME Mode data refresh frequency	The transducer transmits real time power every 1 second and recalculates power and energy every 10 seconds, however, the display only turns on its receiver every 20 seconds to conserve power so the refresh rate is 20 seconds as perceived by the user.	N/A
Communication	Historical data update frequency	The transducer will update the historical data on the display every 2 minutes.	N/A
Communication	Two-way communication	While in two-way messaging method, the display initiates the communication and after the transducer receives the message it determines what the message is and sends out the data accordingly. If there is error in the received data, the display will send the message again to the transducer until it receives the correct data.	The system works in two-way messaging method under the following conditions: -The display is powered up; -The display wakes up from sleep mode; -The time is changed or the transducer ID is changed on the display side; -The display is interrupted in the sleep mode; -When there is NO RF Fault(F0001), display will retry data request command to transducer every 15 minutes to check if the RF is available; -The faults are cleared manually.
Communication	One- way communication	In one-way messaging method, the transducer sends out the data and the display receives the data, there is no acknowledge in this mode, i.e., if sometimes there is error in the data received the display does not send the acknowledge and wait for the next data frame	In most time, the system works in the one-way method, which means the battery powered display works in receive mode and as a result the current consumption is less, thus lengthens the battery life.

## FUNCTION DESCRIPTIONS

Category	Condition	Description/What is Observed	Causes & Action
Function	PV/House Load Toggle	Chooses between displaying PV only, or PV and house consumption side by side. Used when a utility panel is not compatible with supplied CTs or user only wants PV power shown	<b>ACTION:</b> In SETUP menu, use the bottom button to select between the two options
Function	Reset historical data	Resets all historical data for system	<b>ACTION:</b> Press upper button and lower button simultaneously for >20 seconds
Function	Manually Clear Fault (F001 or F002)	Used to manually clear F001 or F002 faults	<b>ACTION:</b> Enter Proper Pressing the upper button makes the display enter the fault mode and the fault code is displayed. In the fault mode, the faults can be cleared by pressing the lower button for 5 seconds. Refer to F001 or F002 Fault Error details for specific causes
Function	Manually cycle through Display Modes	Used to manually change between REAL TIME, DAILY, WEEKLY, and YEARLY modes	<b>ACTION:</b> Press Upper Button
Function	Auto-cycle through Modes	Used to automatically cycle between REAL TIME, DAILY, WEEKLY, and YEARLY modes - with each screen showing for 10 seconds	<b>ACTION:</b> Press Upper Button and Lower Button for 5 seconds simultaneously
Function	Enter Setup Mode	Allows the user to access the SETUP mode	<b>ACTION:</b> Press Upper Button for 5 seconds
Function	Adjust in Setup Mode	Allows the user to change between time, date, day, transducer ID, view RF signal, switch display between PV and PV+House GEN, turn on/off eSLEEP function, and switch between dynamic and fixed scaling	<b>ACTION:</b> Press lower button to adjust, Upper button to move forward to the next field

# WARRANTY

### LIMITED WARRANTY For GE ENERGY (USA), L.L.C. Solar Electric System Meter

## One-Year Limited Warranty

GE ENERGY (USA), LLC ("GE ENERGY") warrants its "Solar Electric System Meter" to be free from defects in workmanship and materials under normal application, use and installation, and service conditions for a period of one year from the date of sale to the original buyer/end user. If the unit malfunctions or becomes inoperable due to a defect in workmanship or material during the one-year period of this warranty, GE ENERGY will, at its option, either repair or replace the unit or refund the purchase price. This limited warranty shall transfer from the original buyer/end user to subsequent buyers/end users for the remainder of the warranty term provided the unit is not moved or relocated from its originally installed location.

## Warranty Exclusions

If, in GE ENERGY'S sole judgment, a Solar Electric System Meter has been subject to misuse, neglect or accident or has been damaged through abuse, alteration, improper installation or application, failure to follow GE ENERGY'S operation or maintenance instructions, or negligence in transportation, handling, or storage, or repaired by anyone other than GE ENERGY and its authorized dealers/installers, this warranty will not be applicable. This warranty will also not cover damage due to acts of God, power failures, lightning, fire, flood, severe weather, hailstorms, insect and pest infestation, and other events reasonably beyond GE ENERGY's control. Warranty coverage does not include any transportation costs for return of unit, for reshipment of any repaired or replaced unit, or costs associated with removal, installation or reinstallation of the unit.

## Limitations of Warranty and Liability

Damage to persons or property or other loss or injury resulting from defect in the Solar Electricity System Meter or from improper installation or use shall not be the responsibility of GE ENERGY. GE ENERGY will not under any circumstances be liable for any indirect, special, incidental or consequential damages of any nature, whether based on contract, tort or other legal theory including, without limitation, business interruption costs, removal and/or reinstallation costs, procurement costs, loss of profit or revenue, loss of data, promotional or manufacturing expenses, overhead charges, injury to business reputation or loss of customers, even if GE ENERGY has been advised of the possibility of such damages. In all cases, GE ENERGY'S total liability will be limited to the price of products provided or services performed by GE ENERGY. **NO IMPLIED STATUTORY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE SHALL APPLY.**

## Warranty Claim Procedure

Claims under this warranty will be considered if submitted by registered or certified mail to Warranty Claim Department, GE ENERGY, 231 Lake Dr., Newark, Delaware, USA 19702 within 60 days following the discovery of any defect covered by this warranty, with specific details in writing, and provided GE ENERGY or its agents are permitted a commercially reasonable opportunity to examine and analyze the material or workmanship claimed to be defective. An authorized representative of GE ENERGY must approve any claim in writing. **THIS WARRANTY, WHICH IS LIMITED AS INDICATED ABOVE, PROVIDES SPECIFIC LEGAL RIGHTS. YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE AND COUNTRY TO COUNTRY**