

# BI-DIRECTIONAL METER



The meter register rotates through the following registers continuously. Register numbers are on left side of the meter display:

- 001 Time
- 002 Total kWh to customer
- 003 On peak kWh to customer
- 004 On peak kW to customer
- 005 Off peak kW to customer
- 008 Total kWh from customer

Some meters are direct reading and some meters have a dial constant. For meters with a dial constant, the constant is normally written on a tag placed on the front of the meter.

For meters without a dial constant to determine usage, you would take the read directly from the “002 display” – EXAMPLE: “002 display” reads 8 = 8 kWh usage.

For meters with a dial constant to determine usage, you would take the read from the “002 display” and multiply it by the dial constant – EXAMPLE: “002 display” reads 8 x dial constant of 40 = 320 kWh usage.

To determine excess (what you’re sending back to Ameren), you would take the read from the “008 display” and multiply it by the dial constant – EXAMPLE: “008 display” reads 4 x dial constant of 40 = 160 kWh credit.

Arrow pointing RIGHT indicates customer buying power

Arrow pointing LEFT indicates customer selling power back to Ameren

ONLY kWhs actually fed back into the grid will appear on the bi-directional meter and on the Ameren Missouri bill. If the renewable system is producing power and your home is using the energy simultaneously, the bi-directional meter does not record that produced or used power. The bi-directional utility meter is only capturing the kWhs that the utility will need to bill/credit.