

# E-METER IV

## Wireless Electric Vehicle Energy Meter

The PosiCharge™ E-meter captures energy and usage data automatically without operator or maintenance staff management, allowing you to determine the right size for your smart charging system

Using a real-time clock, the E-meter monitors and records truck data and generates reports and analyses that identify opportunities for efficiency. The E-meter is designed to work in all ambient conditions including freezers.

A sample of data:

- Battery voltage and current, ambient temperature
- Daily Ah Usage
- Available charge time
- Time available for weekly equalization
- Regeneration and/or opportunity charge return



## Applications:

- Truck utilization / fleet optimization
- Truck energy consumption
- Charger system configuration
- Battery health analysis
- Charger performance

## Benefits:

- Installs in minutes
- Plug-n-play data reporting
- Compatible with a wide array of equipment, from a 24V pallet jack up to a 80V forklift.
- Identifies truck, operator, and process efficiencies

## Standard Features:

- Cellular data upload for PosiNet users.
- Usage report delivered at end of testing period.
- Ability to record up to 4 weeks of data
- Compact box design - fits right into the battery compartment

Specifications	E-Meter IV
DIMENSIONS	1.5" x 6.5" x 9.5"
INPUT VOLTAGE	24-96VDC nominal
CONNECTORS	SB350
CABLE SIZE	≥ 3/0 welding cable
PEAK CURRENT	1000 amps



MORE POWER TO YOU.

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE.

IMAGE SHOWN IS A REPRESENTATION; PRODUCTION MODEL MAY VARY SLIGHTLY IN APPEARANCE

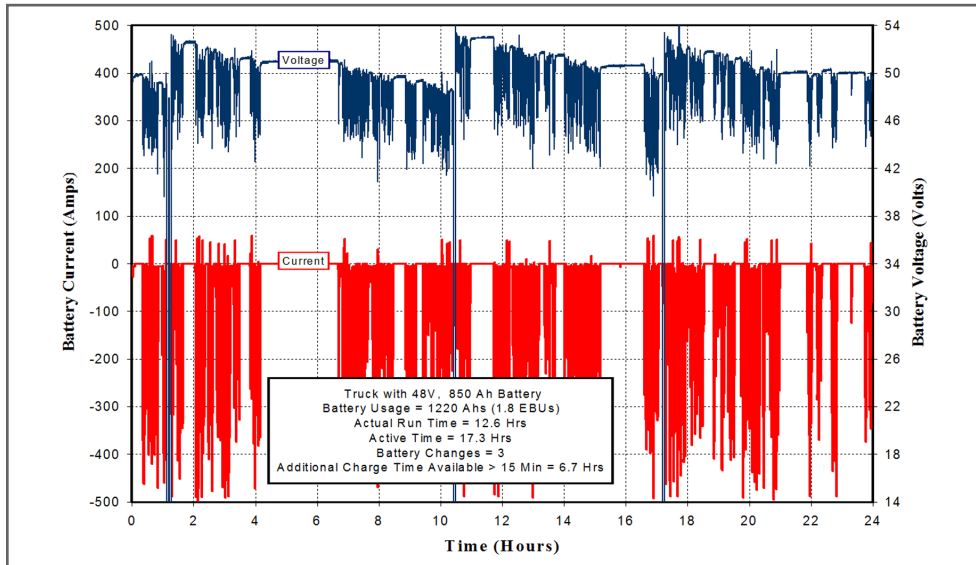
PosiCharge™ systems, a product line of AeroVironment, Inc. 181 W. Huntington Dr., Suite 202, Monrovia, CA 91016  
1.866.POSICHA (1.866.767.4242) www.posicharge.com info@posicharge.com

© 2013 AeroVironment, Inc.

0613 r1



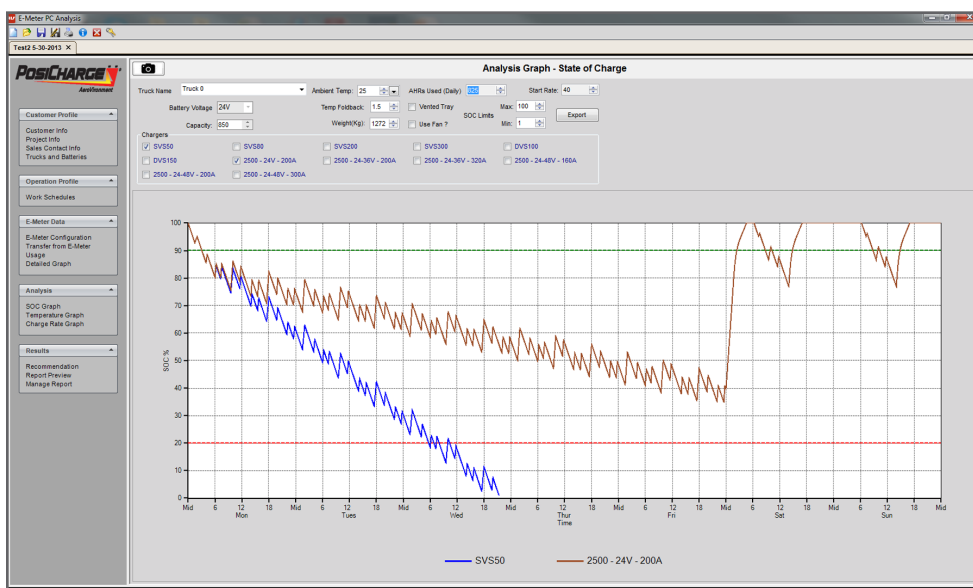
# POSICHARGE™ E-METER IV



**Energy Usage:** Track the battery charges, Ahr throughput, battery usage, available charge time, and confirm operating schedule.

Day	Dis Ahrs	Dis kWhrs	Run Time	Idle Time
Thursday	-1158.2	-55.59	12.9	11.1
Friday	-1036.2	-49.74	10.9	13.0
Saturday	-441.1	-21.17	4.3	19.7
Sunday	-240.7	-11.55	1.8	22.1
Monday	-559.8	-26.87	8.5	15.4
Tuesday	-1220.1	-58.56	12.6	10.2
Wednesday	-755.0	-36.24	6.6	17.3

**Daily Summary Report:** Track daily usage and available charge time for the week. The highest daily usage in Ahrs is used to size your charging system and your weekly battery equalization schedule.



**PC Application:** View battery state-of-charge simulations and optimal charger configurations using data from the E-meter.

ALL SPECIFICATIONS ARE SUBJECT TO CHANGE.