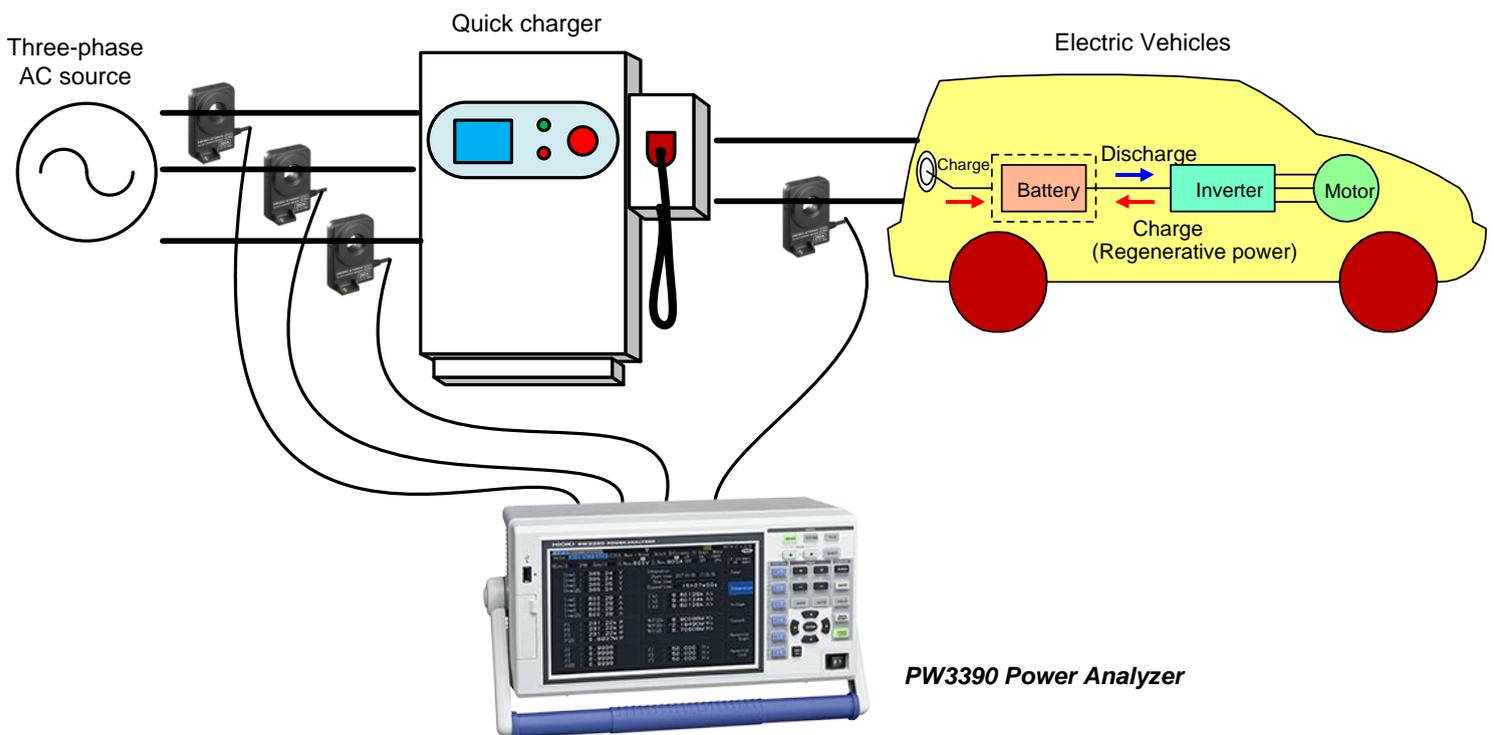


Measure the Efficiency of Quick Chargers for Electric Vehicles (EVs)

With the increasing focus on electric vehicles from the perspective of environmental protection, the energy consumption efficiency of quick chargers is an important measurement and evaluation criteria that is indispensable for promoting electric vehicles.

■ Highlights

- A single POWER ANALYZER PW3390 can measure the three-phase 200 V AC input line and 500 V DC output line of a quick charger simultaneously.
- A highly accurate feed-through CT sensor is effective for current input (it is better than shunt resistance in terms of noise and loss).



The PW3390 can display the voltage, current, active power, apparent power, power factor, frequency, loss, Efficiency, distortion factor, voltage imbalance rate (when measuring 3 voltages and 3 currents), all at the same time.

Products used

(example of a reference combination for three-phase 200 V AC input and 500 V DC/125 A output voltage)

A: Example of a combination for feed-through current sensor

- POWER ANALYZER PW3390 x 1
- AC/DC CURRENT SENSOR CT6863(200A, DC to 500kHz) x 4

B: Example of a combination for clamp current sensor

- POWER ANALYZER PW3390 x 1
- UNIVERSAL CLAMP ON CT 9278(200A, DC to 100kHz) x 4