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Sommario/riassunto	Operational parameters that may be observed by battery monitoring equipment used in stationary applications and the relative value of such observations are discussed in this guide. Although a list of commercially available systems is not given, a means for establishing specifications for the desired parameters to be monitored is provided. Keywords: airflow, ambient temperature, automated battery monitoring, battery applications, battery current, battery environment, battery monitoring equipment, battery monitoring techniques, battery temperature, battery types, battery voltage, charge and discharge, communications interfaces, connection, connection resistance, coup de fouet, cycles, ground fault detection, grounding, humidity, IEEE 1491, measurement parameters, ohmic value, operating environment, reports, ripple current, safety, sensors, software, specific gravity, temperature, voltage.