

Four things SATEC does for a data center

Power quality, capacity and PUE, measured not guessed, from the utility feed to the rack. When a bill, an interconnection or a trip is disputed, the facility with the data wins.

1



Fifty-four circuits, one device

BFM-II meters up to 54 single-phase or 18 three-phase circuits from one DIN-rail unit, against two voltage sources. **PDU, rack and cage level energy without a wall of meters**, and the circuit-level accountability a colocation floor runs on.

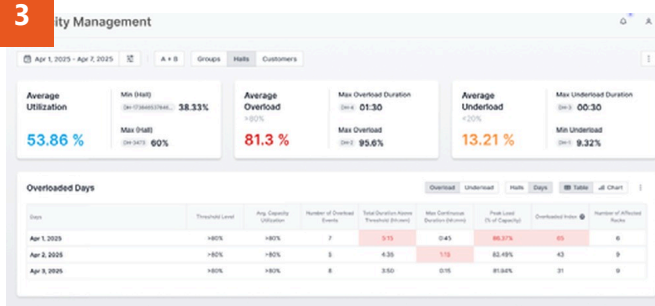
2



Both ends of the UPS, one instrument

PRO Series: a Class 0.2S revenue meter and a Class A Edition 3.1 power quality analyzer in one device. Rectifier harmonics and the transients that pass straight through a UPS get captured, not argued about. **AC and DC on the same platform**, DC to 1,500 V for the bus and the battery.

3



Where the stranded capacity is

The EPMS shows what is happening. ExpertPower shows **capacity headroom and PUE by hall, group, customer and rack**, which areas are trending toward overload, and where lightly loaded rows are holding capacity idle. Ask it in plain language why PUE rose in a hall today.

4



Where accuracy quietly dies

A precision meter behind an ordinary CT inherits the CT's error, and across sixty metering points in a cage the errors compound into the number a customer is invoiced on. HACS sensors feed the meter directly, **one CT in the chain instead of two**, split-core so the circuit stays live.

EPMS is the foundation, not the answer

Alarms, thresholds and one-line visibility tell you what the electrical system is doing now. Capacity planning, PUE by area and customer transparency need the analytics layer above it.

Accuracy class is a system property

A Class 0.2S meter reading through a 1 percent CT is a 1 percent system, and the error grows with every metering point you sum. The number on the box only survives if the CT chain lets it.

The data goes somewhere useful

PAS power analysis software ships with every instrument at no charge: configuration, automatic PQ reports, COMTRADE and PQDIF export. ExpertPower allocates consumption to customers, areas or assets for reporting and invoicing in the same platform.