

DATA CENTERS

Power it. Control it. Prove it.

The electrical line for a data center build, from the utility interconnect to the rack row: **the power path, the control layer, and the measurement that proves it works.** The manufacturers Dynamic Measurement and Control Solutions represents, organized the way you design, with an application engineer on the phone before the spec locks.

Power it

Energy in, converted, moved. And the switching and protection that keeps it safe.


WALTHER

The last hundred feet, delivered finished

IEC 60309 pin and sleeve power drops built to length in Somerset, New Jersey: plug landed, cable or liquid-tight conduit cut, built as a **UL-listed assembly** so the listing question leaves the field. 20, 30, 60 and 100 A at 125 to 480 V, and nothing built on a ladder.


WALTHER

Pin and sleeve where twist-lock runs out

Rack rows are outgrowing 50 A twist-lock, and heat at the connector is where it shows. Pin and sleeve carries **60 and 100 A on the same form factor**, with DC positions on the IEC clock for the DC drops now on the drawings. Walther receptacles are already designed into busway tap boxes and a hyperscale operator's rack-top power distribution boxes.


SCHALTBAU

Breaks DC under load, to 3,000 V

An 800 V DC bus never crosses zero, so the contactor has to clear the arc on its own. Schaltbau DC contactors use permanent-magnet arc blowout in an **open, non-encapsulated chamber**: no gas to leak, no overpressure, bidirectional breaking for battery, UPS and bus isolation.


PREMIUM PSU

Conversion that already speaks 800 V DC

Released, published-spec converters and inverters with **input ranges reaching 400 to 1,100 V DC**: CVS-280 DC/DC, OVX-6400 6.4 kVA inverter, NP-0827 35 kVA, BBC-30K 30 kW bidirectional, CMS-2000 sealed to IP67. Built on 750 V catenary heritage, so a high-voltage DC bus is familiar ground.

Control it

Commanded, coordinated. The pumps, fans and auxiliary circuits that liquid cooling adds to every row.


IMO

One logic stack, relay to drive

iSmart smart relays and XGB PLCs with **license-free programming**. Jaguar drives for the CDU pumps and fan walls beside them, iView HMIs on the door. One platform the facility team can support, same-day dispatch from US stock, up to 5-year warranty on electromechanical components.


IMO

Protection sized for the auxiliary circuits

UL-approved miniature circuit breakers, motor circuit breakers, RCBOs and surge protection for the pump, sensor and control circuits, plus the **SI Series TRUE DC isolator** (UL 508, 8 million units installed since 2009) where a DC circuit needs a real air gap.

Prove it

Proven, not assumed. When a bill, an interconnection or a trip is disputed, the facility with the data wins.



SATEC

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.



SATEC

Power quality upstream and downstream of the UPS

PRO Series: a Class 0.2S revenue meter and a Class A Edition 3.1 power quality analyzer in one instrument. 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.



SATEC

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. HACS sensors feed the meter directly, **one CT in the chain instead of two**, and no shorting blocks at disconnect. PAS software ships with every instrument; ExpertPower turns the meter data into capacity headroom and PUE by hall, group and rack.



BRAINBOXES

Chiller, genset and CDU data without a PLC rewrite

Remote I/O picks up states, flows and temperatures at the sensor and presents them as **Modbus TCP devices your DCIM or BMS polls**. Ethernet-to-serial puts the RS-485 port on a running controller onto the network. The controls are never opened, the machine logic never touched.

Foundation

Looks simple. Fails first. Where the schematic meets the panel.



CONTA-CLIP

Power distribution blocks and high-current terminals

Finger-safe splits from the incoming feed to the zone loads, stud and bolt terminals for the big conductors, and the DIN-rail blocks, marking and KDS split cable entry around them. Less exposed copper, faster fit-out.



WISKA

Brace conduit and fittings that seal

The Brace system: plastic conduit with fittings that lock and seal at the enclosure, plus glands including EMC versions and junction boxes, so the drop enters sealed and the shield lands where it should.

DC breaks differently than AC

No zero crossing means the contactor has to stretch and cool the arc itself. Ask what a contactor breaks under load, not only what it holds; the two numbers are not the same.

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.

Where we will say no

Anything deterministic, safety rated or inside the control loop stays with the controller vendor. We do not represent coolers or enclosures. Listings on assemblies and on high-voltage DC families are confirmed on your exact configuration when we quote it.

Talk it through at the design stage

If any part of this card raises a question mid-design, whether that is the power path, the control stack or the measurement layer, that question is exactly what we are for. A short technical conversation before the spec locks usually surfaces the options a datasheet does not.

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THE MANUFACTURERS ON THIS CARD

