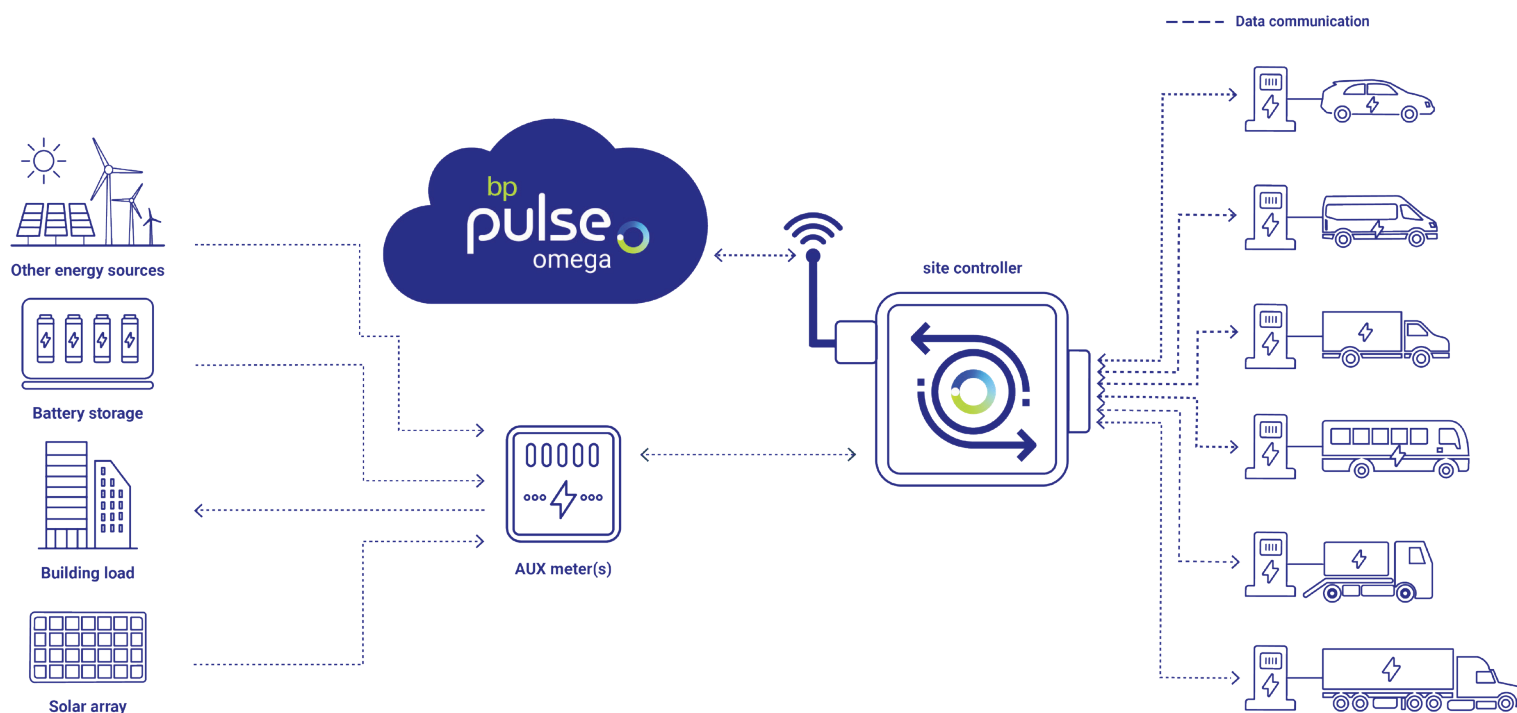


## bp pulse site controller

### Proprietary edge device translates energy & orchestrates charging

While robust charge management software is mission-critical for electric fleets, software-only solutions fall short on energy and load management. Our site controller ensures your power draw is within the utility threshold and speaks directly to all the components of your electric fleet operations, passing critical information to you in real-time via the omega™ cloud.



Your bp pulse site controller utilizes integrated revenue-grade meters that give real-time visibility of your charging energy usage, including main service loads, individual and aggregate charger loads, unmanaged building loads, and any distributed energy resources (DERs). Powered by omega, bp pulse's cloud-based charge management software, the site controller plans charging sessions to minimize your overall electricity costs and can help maximize the lifespan of your equipment. With your site controller installed in your electrical system, you have a resilient, local failover mode of operations, delivering guaranteed uptime.

## bp pulse site controller features

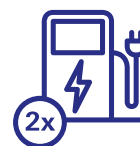
The bp pulse site controller connects directly to your electrical switchgear, EV chargers, and the omega™ cloud, creating a fully connected ecosystem. Gathering data through these connections, the site controller passes critical information about your EV charging operations to your omega™ command center dashboard via its own network, ensuring your network remains stable and secure.

### Automated load management



#### Intelligent & vigilant energy management

We guarantee charging sessions occur at times that make the most economical sense for your fleet, prioritizing lowest-cost energy, while keeping your power draw within the constraints of your existing electrical equipment, ensuring that your load will remain under maximum capacity.



#### Increased capacity without upgrades

The site controller automatically optimizes your power draw to ensure it never exceeds physical limits. This helps you maximize your EV fleet and load profile with your existing utility service, saving you from time-consuming and costly utility service upgrades.

### Workflow resiliency



#### More than remote fleet monitoring

The site controller functions as a network switch, automating charging sessions to minimize your overall electricity costs, prolonging the lifespan of your hardware. With your site controller installed in your electrical system, you have a resilient, local failover mode of operations, delivering guaranteed uptime.



#### Grid service integration

Our system allows you to leverage available vehicle-to-grid (V2G) programs and distributed energy resources (DERs). Our platform is a certified OpenADR virtual appliance and can automatically participate in demand response programs – generating revenue without any changes to your fleet operations.

## bp pulse site controller specifications

Feature	Description
Power system compatibility	120 - 480 VAC single or three phase, 50/60 Hz Medium and high voltage options available
Power consumption	20 Watts typical 50 Watts max Sourced from Voltage Sense
Network communication links	Upstream cloud connectivity through a secure cellular, carrier-diverse, backhaul and local area network interface with EV Chargers and meters
Physical interfaces	Ethernet, RS 232/485, GPIO, additional options available
Controller enclosure dimensions	24 x 24 x 10 inches
Ambient operating temperature range	-10 °C to +70 °C -40 °C to +85 °C (option available)
Mounting	Standard wall surface, strut channel, or switchgear mountable
Equipment enclosure	IP68 NEMA6P
Metering	ANSI C12.20 / IEC 61557-12/ UL 61010 Meter + Sensors
Compliance	UL 508, UL 1561, UL 61010, IEC 61557-12, IEC/EN 61010-1
Typical electrical connection configuration for voltage sense	Breaker: 15 Amps
	1P-N: 1 pole breaker
	2P-N: 2 pole breaker
	3P-N: 3 pole breaker

