Site discovery

Blue Planet Energy

What we need to size a system for your site. Send what you have — partial answers are enough to start, and we can work from a description where there is no measured data.

SITE AND CONTACT

Company and site address

Contact, role, email and phone

What the site does, and its operating hours

THE ELECTRICITY BILL

Utility and rate schedule

Demand charge, per kW

Billed peak demand, highest and typical month

Grid connection limit, in kW or amps

WHAT CAUSES THE PEAKS

Equipment: chillers, compressors, chargers, welders, presses, cranes, pumps

Size of the largest load, in kW or hp

How long a peak lasts, and how often

Anything planned that will add load

DATA YOU CAN SEND

Twelve months of bills

Interval load data, with timestamps, units and the sampling interval 15-minute data is common; 1-minute or faster is better for short peaks

Single-line diagram, if one exists

BACKUP AND POWER QUALITY

Does the site need to ride through outages

Critical load to carry, in kW, and for how long

Existing generator or UPS, and its rating

Outage frequency, and what an outage costs

ON-SITE GENERATION

Solar, wind or generator now installed, and its rating

Anything planned, and when

Export allowed, limited or not permitted

WHERE THE EQUIPMENT GOES

Indoor room, outdoor pad, or an existing rack

Floor space and ceiling height available

Ambient temperature range, and any cooling

Service voltage, and three-phase or single

Who supplies the power conversion and installation we supply storage and controls; converters and site work come from your integrator

GETTING IT DONE

Timeline, and what drives it

Who approves the spend

Permitting, code or utility approvals expected