VERHI

UPS Sizing Input Checklist

Prepare a comparable project basis before selecting a UPS

This checklist helps project, procurement and engineering teams collect the same inputs before comparing UPS configurations.

Planning and review aid only. Final configuration requires VERHI engineering review.

1. Project identification

Input	Project value or condition	Verified by
Project name		
Site or delivery country		
Project stage		
Owner / decision maker		
Required quotation date		

2. Critical load

Record the source of each value and whether it is measured, calculated or estimated. Do not compare UPS ratings until the load basis is consistent.

Input	Project value or condition	Verified by
Continuous load (kW)		
Continuous load (kVA)		
Power factor		
Peak load and duration		
Future growth assumption		

3. Operating states

Confirm which loads must remain supported in each state and which equipment or path may be unavailable.

Input	Project value or condition	Verified by
Normal operation		
Battery operation		
Generator operation		
Maintenance bypass		
Fault condition		

4. Redundancy and maintainability

Input	Project value or condition	Verified by
Required topology		
Failure boundary		
Maintenance strategy		
Capacity after failure		
Bypass requirement		

5. Runtime and battery

State whether the runtime requirement applies to a new battery or to the end of its service life.

Input	Project value or condition	Verified by
Required full-load runtime		
Required partial-load runtime		

Battery technology		
End-of-discharge condition		
Temperature assumption		
End-of-life requirement		

6. Site and integration boundary

Input	Project value or condition	Verified by
Input voltage and frequency		
Input source and generator interface		
Output voltage and distribution		
Heat rejection to room		
Floor loading		
Service access		
Monitoring and alarm interface		
Installation responsibility		

7. Review checks

[ ] All load values use the same units and operating state.

[ ] Peak duration and growth assumption are explicit.

[ ] Runtime is tied to load, temperature and battery condition.

[ ] The failure and maintenance boundaries are documented.

[ ] The site and installation boundary is included in the RFQ.

[ ] No model, capacity or final configuration is selected before engineering review.