

UPS Site Readiness Checklist (Single Phase & Three Phase)

Before the delivery and installation of your **Online UPS on Rent** (from 1 kVA to 600 kVA), please verify the following site readiness points. Proper preparation ensures smooth installation, maximum performance, and compliance with safety standards.

Electrical Requirements

- **Input Power:** *Single Phase UPS:* 230 V $\pm$ 10%, dedicated 16 A or 32 A MCB with proper neutral and earthing. *Three Phase UPS:* 415 V $\pm$ 10%, 4-wire system with MCCB, neutral, and earth connections.
- **Output Wiring:** Separate output MCB/MCCB to the load panel. Avoid sharing circuits with non-critical loads.
- **Earthing:** Independent UPS earth with $\leq 1 \Omega$ resistance; battery rack and frame must be bonded to earth.
- **Cable Sizing:** Use recommended copper cables (as per kVA & length). Keep cable routing short and safe with proper lugs and ferrules.
- **Input/output Polarity:** Confirm RYB phase sequence (for 3 Phase models) and correct neutral continuity before energizing.

Physical & Environmental Setup

- **Space Allocation:** Reserve clear area for UPS and battery bank with at least 3 ft front/rear clearance for service.
- **Ventilation & Temperature:** Maintain ambient $\leq 30^\circ\text{C}$ with good air circulation; install exhaust fan if using large battery banks.
- **Floor Load Capacity:** Check that flooring can withstand the total system weight (batteries $\approx$ 500–700 kg for 10 kVA; higher for large units).
- **Lighting & Access:** Provide sufficient lighting and wide door clearance (minimum 3 ft) for safe movement of UPS equipment.
- **Dust & Moisture Control:** Room must be clean, dry, and free from oil, corrosive fumes, or water seepage.

Auxiliary & Communication Points

- Provide one 230 V utility socket for service tools or laptop connection.
- LAN/SNMP port or Wi-Fi access point if remote monitoring is required.
- Label input/output cables clearly for safe future maintenance.

Safety & Compliance

- Follow **IS/IEC 62040** and local electrical safety standards.
- Ensure staff use PPE during wiring, testing, and commissioning.
- Keep insulated mats and warning signage near the UPS & battery area.

 **Note:** If your site isn't ready (e.g., wiring or earthing pending), please inform our team in advance. Gravity Power Solution offers inspection and guidance for safe installation of both single-phase and three-phase online UPS rentals.

Yours faithfully,



Jagadish. D
GRAVITY POWER SOLUTION
Mobile: 9741952744