

Pricing workbook

Item	Description	Quantity	Cost in Rand
1	Indoor Power Supplies: 10 KVA Uninterrupted Power Supplies (online UPS), IEC 62040-3, Class 3 output Voltage: 230 VAC, 50 Hz Interface	1	
2	200 AH Lithium Iron Phosphate (LiFeP04) battery with 48VDC output.	1	
3	Electrical Cabling	1	
4	Management Software for UPS Monitoring	1	
5	Rack for UPS and Battery Installation	1	
6	Installation and Commissioning of UPS	1	
7	Testing and Certification (Certificate of Compliance)	1	
8	Decommissioning of Old UPS Units and Batteries	1	
9	Transport and Logistics (Delivery to site).	1	
10	Maintenance and After-sales Support (2 years Warranty)	1	
11	Indoor Power Supplies: 1000VA / 800W Uninterrupted Power Supplies, 220V-240V AC, 50/60Hz	1	
12	Consumables		
		Total	

Specification for Seamless Transition UPS System:

1. Zero Transfer Time (Online UPS System):

The UPS system must operate in an online or double-conversion mode, where the power from the UPS continuously powers the connected devices, even when utility power is available. This ensures a zero-transfer time when switching from the utility power to the battery backup, preventing any power interruption or downtime to the network equipment.

2. Automatic Power Outage Detection:

The system must include an automatic detection feature that instantly identifies a power outage or fluctuation. Upon detection, the UPS must immediately switch to battery mode without any disruption to the connected devices. This ensures continuous and stable power supply, safeguarding the network equipment from power loss.

3. Seamless Power Transfer:

The UPS system must have the capability to maintain a continuous and stable voltage output to network equipment during power transitions. The system should be designed to avoid even a millisecond of downtime, ensuring that connected devices remain powered without interruption during the switch between utility power and battery backup.

All the UPS systems must be an online/double conversion system providing a minimum of 2 hours of runtime. All UPS systems must come with a minimum of 2 years warranty.