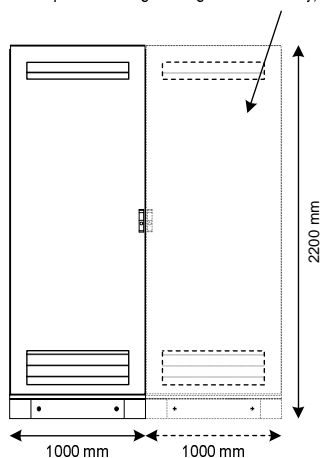
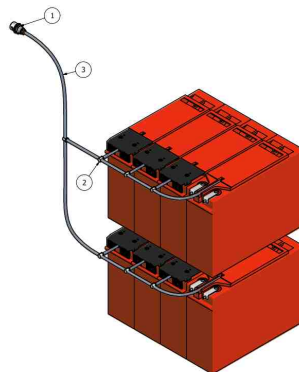


Front View

Additional panels for larger ratings or redundancy, i.e. (2 x 50%) or (2 x 100%).



Venting of Hydrogen Gas

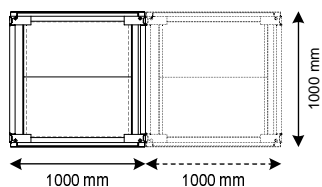


BILL OF MATERIALS			
ITEM	STOCK NUMBER	QTY	DESCRIPTION
1	BATT BREATH 25	1	BATTERY BREATHER 25MM
2	0400.60.3500	7	TEE 6x6x6
3	3803.60.0000	3.5	6MM TUBING

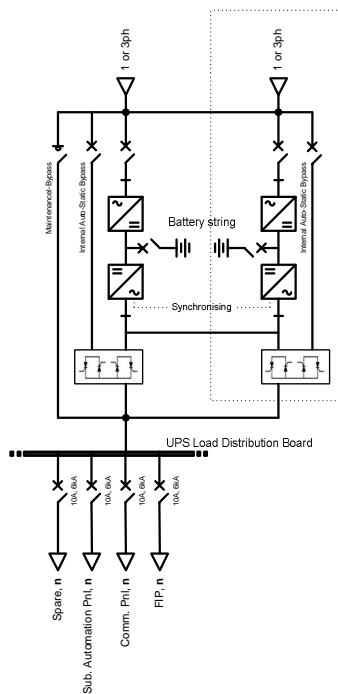
Design Notes

- 1) Batteries are sealed lead acid.
- 2) Ducted ventilation may be required for seal lead acid batteries depending on switchroom air-intake.
- 3) Automaton time as per specification or 3 hrs minimum.
- 4) Earth lugs fitted to frame.
- 5) Load DB is integrated in UPS panel. Refer Technical offer for n value.
- 6) Optional batteries gas duct to vent hydrogen gas to external atmosphere.
- 7) Maintenance Bypass switch to be "break before make" type.
- 8) Maintenance Bypass switch to be located in separate compartment inside the UPS cabinet.

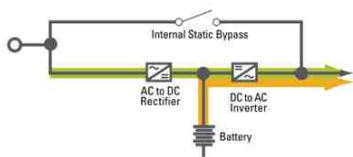
Floor Plan



Single Line Diagram



Topology



Online UPSs provide the highest level of protection by isolating equipment from raw utility power—converting power from AC to DC and back to AC again. When input voltage is within preset UPS tolerances, the output is regulated without going to battery. In this manner, the UPS uses the batteries less often and for less time than either standby or line-interactive designs. Many online UPSs allow an even wider input acceptance window when the UPS is below 100% load.

High-efficiency mode UPSs are among the latest generation of UPS models, successfully combining the benefits of both single- and double-conversion technologies. Under normal conditions when power falls within acceptable limits, the multi-mode UPS operates as a high-efficiency, energy-saving system, regulating voltage and resolving common utility power anomalies.

During erratic power or fleeting disturbances when AC input power falls outside of preset tolerances for line-interactive mode, the UPS switches to online double-conversion mode, completely isolating equipment from incoming power. If power is lost altogether, or the input power exceeds the tolerances of the double-conversion rectifier, the UPS relies on the battery to keep loads operating, converting back to high-efficiency mode when it is safe.

Construction Notes

- 1) Indoor cubicle, IP41. Optional Outdoor version IP56.
- 2) Wiring rules, colour and identification to AS 3000 and AS 2067.
- 3) Cabinet is floor standing construction with segregated compartments.
- 4) Cabinet have top / bottom power cable entry.
- 5) Fitted with eye bolts Rittal model No. PS-4568.000 or equivalent.

Disclaimer: The shown product pictures are mainly for illustration of the proposed functionalities. The supplied goods might look different from the illustrations shown

Date 15 Aug 11 Scale NTS UPS Panel

ABB Australia Pty Limited.

PANEL PROGRAM

Dwg # 1VGA674130 Rev. E Sh. 1 Dwn JO Chk SC

