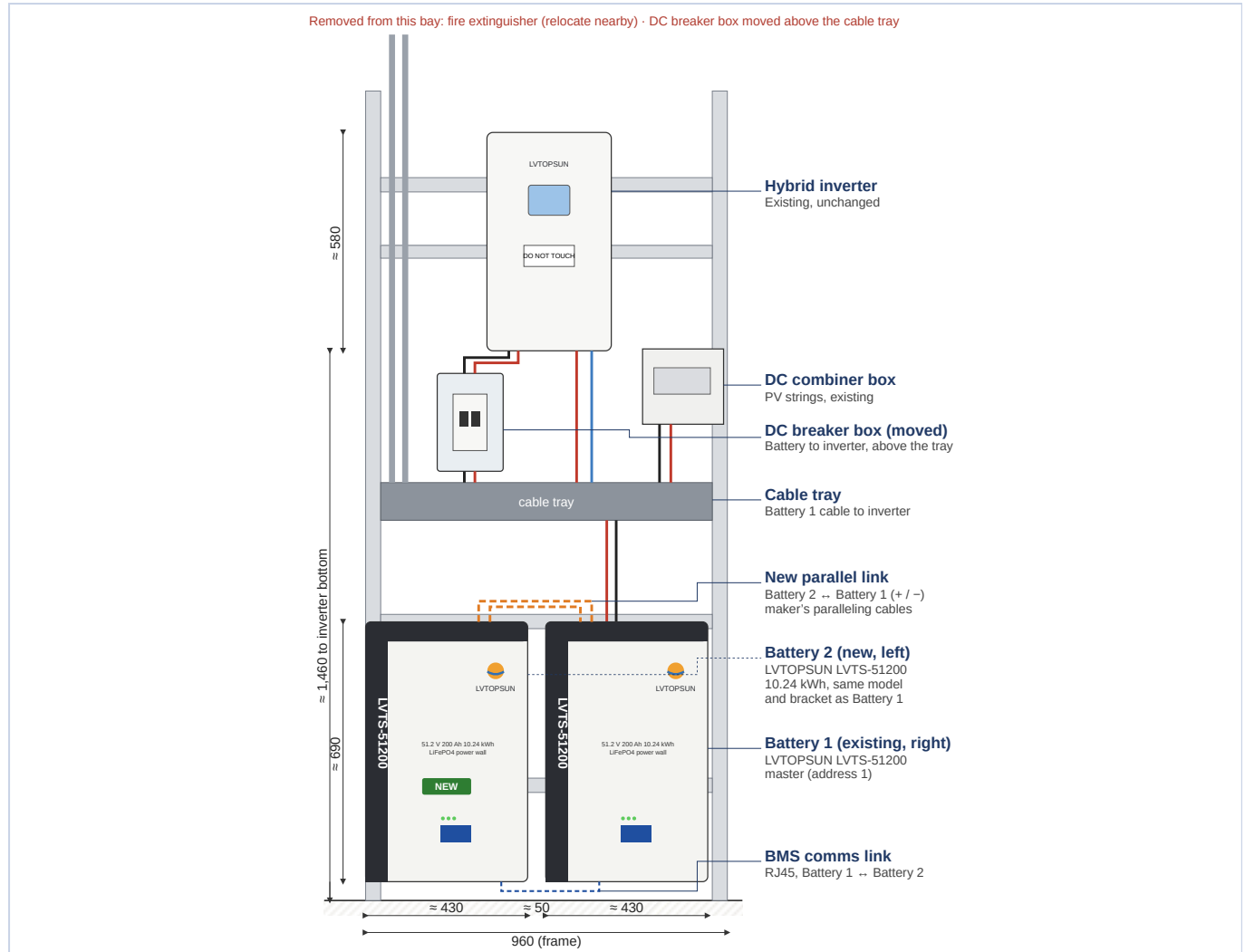


Battery storage wall – front elevation (proposed)

Add a second battery beside the existing one, the same model and mounting; move the DC breaker box above the batteries and below the inverter; relocate the fire extinguisher



Dimensions in mm, approximate, scaled from the site photo; confirm on site and against the battery and inverter manuals before fixing brackets.

Wall equipment clearances

Clearance	Shown	Minimum
Battery 1 to Battery 2 (side gap)	≈ 50 mm	Per battery manual; keep vents clear
Battery top to cable tray	≈ 270 mm	≥ 200 mm for cable bends and air
Battery bottom to floor	≈ 50 mm	≥ 50 mm; 200 mm if the floor can get wet
Inverter bottom to breaker box	≈ 60 mm	Room for cable glands and bends
Breaker box to cable tray	≈ 30 mm	Cable entry from the tray
Front access to batteries and inverter	clear	≥ 800 mm open floor in front

What changes

- **Add Battery 2** to the left of Battery 1, same model, bracket and height. Total storage $2 \times 10.24 = 20.48$ kWh.
- **Parallel** Battery 2 to Battery 1 with the maker's cables; link the BMS by RJ45 and set Battery 2's address (Battery 1 stays master). Set the inverter's battery capacity to 400 Ah.
- **Move** the DC breaker box above the cable tray, below the inverter. The battery cable runs Battery 1 → cable tray → breaker → inverter. Check the breaker rating covers the inverter's maximum battery current with two batteries.
- **Relocate** the fire extinguisher and its sign to the wall beside the bay, within easy reach.



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Site photo and proposed view



Existing: one battery, fire extinguisher and DC breaker box in the bay



Proposed (photo montage): two LVTS-51200 batteries side by side, breaker box moved below the inverter

The proposed view is an edited photo for illustration only. Final positions follow the elevation drawing and the clearances above.