



BESS CONTAINER

BATTERY STORAGE ENCLOSURE FAMILY

Approved six-size GA package • technical specification • budgetary price guide

10 ft • 20 ft standard • 20 ft high cube • 30 ft • 40 ft standard • 40 ft high cube

Windowless walk-in containerized enclosure with a flat ISO roof, corrugated colour-matched service doors and length-scaled battery-rack reservation zones.

Battery capacity and active systems are OEM/project-specific and are not inferred from container length.

SIX-SIZE COMMERCIAL SUMMARY

Authoritative values from the project price dashboard workbook

Variant	Size	Rate / sq.ft.	Base price	Incl. 18% GST	Reservation logic
10ft Compact BESS Container	10 x 8 x 8.5 ft	Rs. 2,898	Rs. 2,31,840	Rs. 2,73,571	5.5 ft per side; 2.5 ft End-D technical bay
20ft Standard BESS Container	20 x 8 x 8.5 ft	Rs. 2,530	Rs. 4,04,800	Rs. 4,77,664	14 ft per side; 4 ft End-D technical bay
20ft High Cube Liquid-Cooled BESS	20 x 8 x 9.5 ft	Rs. 2,530	Rs. 4,04,800	Rs. 4,77,664	12.5 ft per side; 5.5 ft End-D technical bay
30ft Modular BESS Container	30 x 8 x 8.5 ft	Rs. 2,208	Rs. 5,29,920	Rs. 6,25,306	23 ft per side; 5 ft End-D technical bay
40ft Standard BESS Container	40 x 8 x 8.5 ft	Rs. 2,185	Rs. 6,99,200	Rs. 8,25,056	32 ft per side; 6 ft End-D technical bay
40ft High Cube Utility BESS	40 x 8 x 9.5 ft	Rs. 2,185	Rs. 6,99,200	Rs. 8,25,056	30 ft per side; 8 ft End-D technical bay

PRICE AND CAPACITY BOUNDARY

Prices are budgetary enclosure values from the workbook. Battery cells/racks, BMS/EMS, PCS, HVAC or liquid cooling equipment, fire detection/suppression, cabling, foundations, transport, installation, testing, commissioning and certification are excluded unless expressly included in a signed quotation. Final battery energy and power capacity must come from the selected OEM integration design.

APPROVED GA — 20FT STANDARD BESS CONTAINER

Option BESS-20X08-STANDARD-WALKIN-V1 | Geometry authority for realistic images and buyer coordination



20FT STANDARD BESS CONTAINER

20' × 8' × 8'-6" • BESS-20X08-STANDARD-WALKIN-V1

Windowless walk-in BESS enclosure planning GA • battery capacity and final rack design by selected OEM

GA FOR USER APPROVAL

FLAT ISO CONTAINER ROOF
ZERO WINDOWS • NO MWh CLAIM

2
RACK ZONES

3'-0"
SERVICE AISLE

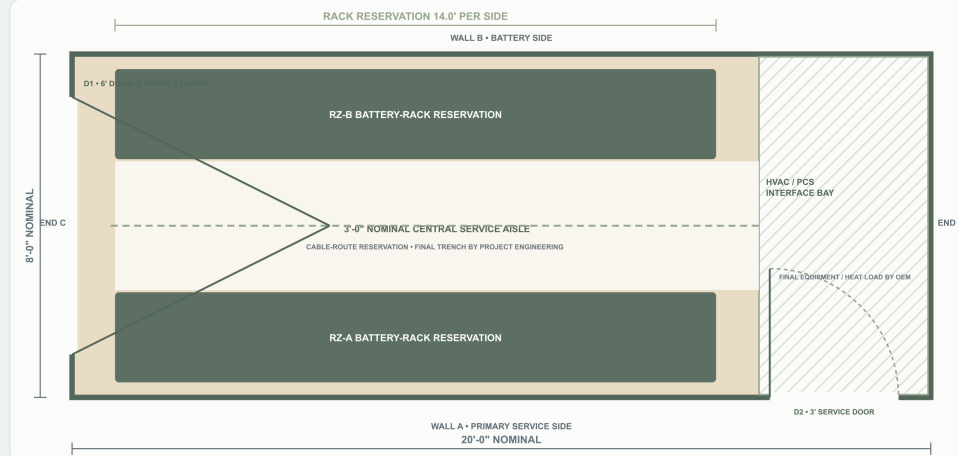
0
WINDOWS

2
ACCESS ASSEMBLIES

OEM
ENERGY CAPACITY

GENERAL ARRANGEMENT FOR APPROVAL

Nominal enclosure planning only • no fabrication release • no battery-system performance claim



PRODUCT FACTS

WALL / OPENING LEDGER

WALL A	D2 • TMS / SDZ
WALL B	VENT / RELIEF RESERVE
END C	D1 DOUBLE SERVICE DOORS
END D	TECHNICAL SERVICE END

ALL FOUR WALLS: ZERO ORDINARY WINDOWS

BATTERY / SERVICE PLANNING

RACK RESERVATION / SIDE	14.0 ft
END-D TECHNICAL BAY	4.0 ft
CENTRAL AISLE	3'-0" nominal
ENERGY CAPACITY	OEM / project-specific

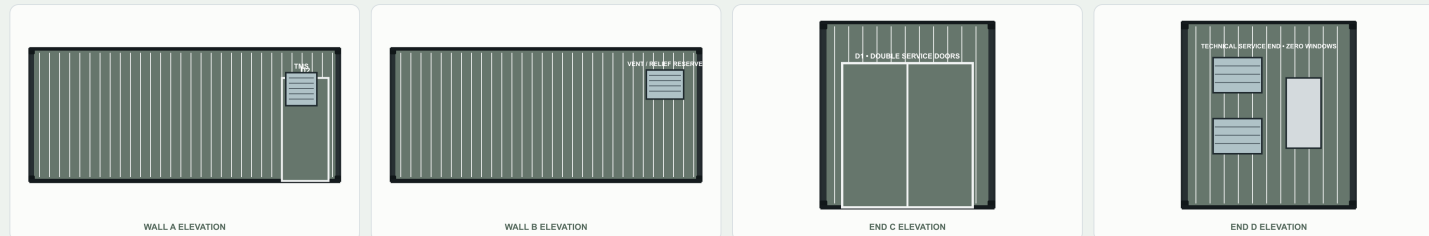
Rack zones are reserved envelopes, not approved rack counts or equipment footprints.

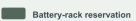
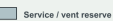
WORKBOOK PRICE CONTROL

ADJUSTED RATE	₹2,530 / sq.ft.
CABIN PRICE (EX GST)	₹404,800
FINAL PRICE (INCL GST)	₹477,664

ENCLOSURE / LISTED INTERFACES ONLY

FOUR EXTERIOR ELEVATIONS



LEGEND  Battery-rack reservation  Thermal / PCS interface bay  Cable-route reservation  ISO corner casting  Service / vent reserve

BUYER-FACING GA FOR APPROVAL • DO NOT FABRICATE FROM THIS BOARD

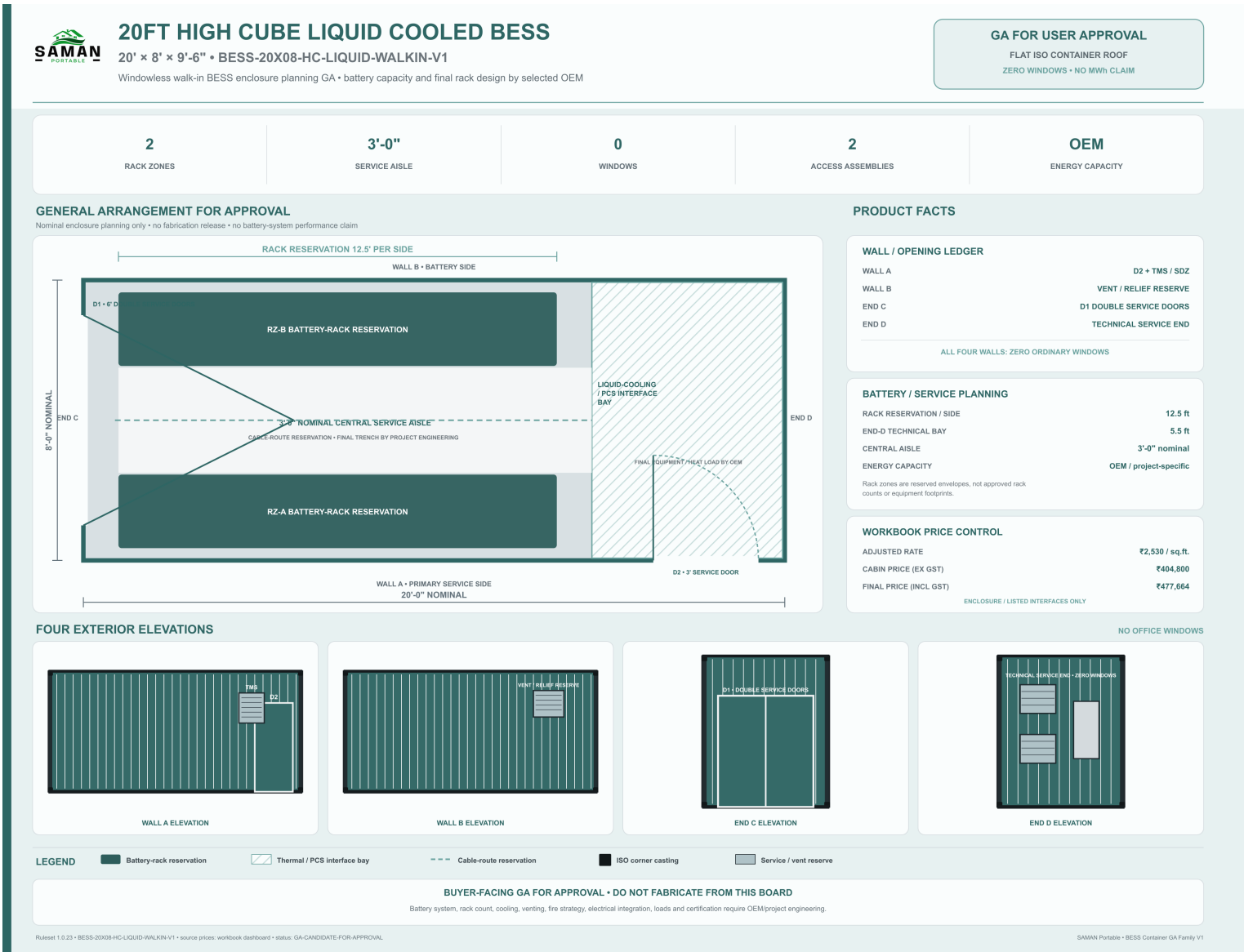
Battery system, rack count, cooling, venting, fire strategy, electrical integration, loads and certification require OEM/project engineering.

Ruleset 1.0.23 • BESS-20X08-STANDARD-WALKIN-V1 • source prices: workbook dashboard • status: GA-CANDIDATE-FOR-APPROVAL

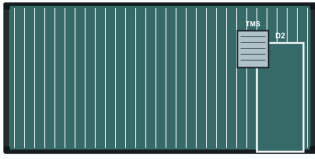
SAMAN Portable • BESS Container GA Family V1

APPROVED GA — 20FT HIGH CUBE LIQUID-COOLED BESS

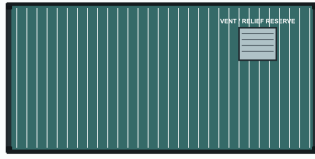
Option BESS-20X08-HC-LIQUID-WALKIN-V1 | Geometry authority for realistic images and buyer coordination



FOUR EXTERIOR ELEVATIONS



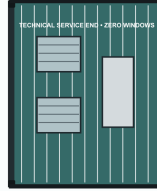
WALL A ELEVATION



WALL B ELEVATION



END C ELEVATION



END D ELEVATION

NO OFFICE WINDOWS

LEGEND

Battery-rack reservation

Thermal / PCS interface bay

Cable-route reservation

ISO corner casting

Service / vent reserve

BUYER-FACING GA FOR APPROVAL • DO NOT FABRICATE FROM THIS BOARD

Battery system, rack count, cooling, venting, fire strategy, electrical integration, loads and certification require OEM/project engineering.

Ruleset 1.0.23 • BESS-20X08-HC-LIQUID-WALKIN-V1 • source prices: workbook dashboard • status: GA-CANDIDATE-FOR-APPROVAL

SAMAN Portable • BESS Container GA Family V1

APPROVED GA — 30FT MODULAR BESS CONTAINER

Option BESS-30X08-MODULAR-WALKIN-V1 | Geometry authority for realistic images and buyer coordination



30FT MODULAR BESS CONTAINER

30' × 8' × 8'-6" • BESS-30X08-MODULAR-WALKIN-V1

Windowless walk-in BESS enclosure planning GA • battery capacity and final rack design by selected OEM

GA FOR USER APPROVAL

FLAT ISO CONTAINER ROOF
ZERO WINDOWS • NO MWh CLAIM

2
RACK ZONES

3'-0"
SERVICE AISLE

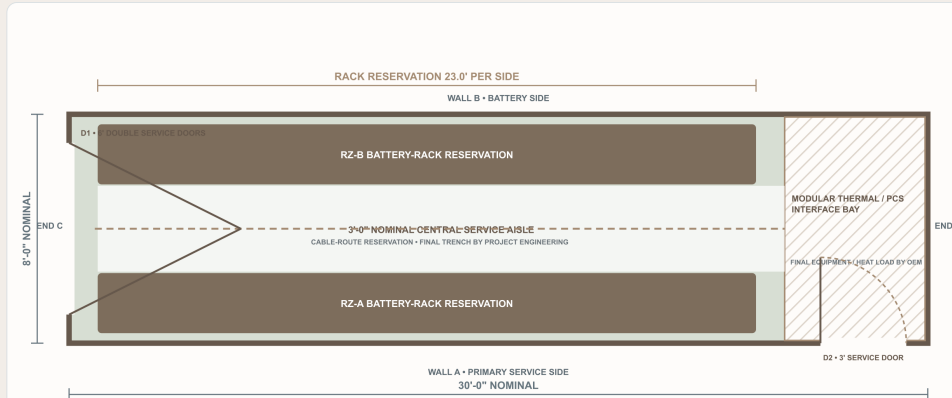
0
WINDOWS

2
ACCESS ASSEMBLIES

OEM
ENERGY CAPACITY

GENERAL ARRANGEMENT FOR APPROVAL

Nominal enclosure planning only • no fabrication release • no battery-system performance claim



PRODUCT FACTS

WALL / OPENING LEDGER

WALL A	D2 • TMS / SDZ
WALL B	VENT / RELIEF RESERVE
END C	D1 DOUBLE SERVICE DOORS
END D	TECHNICAL SERVICE END

ALL FOUR WALLS: ZERO ORDINARY WINDOWS

BATTERY / SERVICE PLANNING

RACK RESERVATION / SIDE	23.0 ft
END-D TECHNICAL BAY	5.0 ft
CENTRAL AISLE	3'-0" nominal
ENERGY CAPACITY	OEM / project-specific

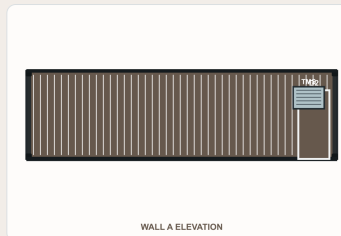
Rack zones are reserved envelopes, not approved rack counts or equipment footprints.

WORKBOOK PRICE CONTROL

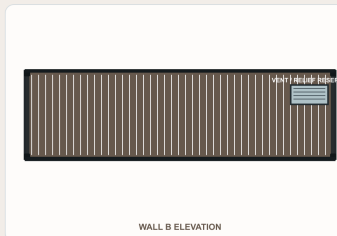
ADJUSTED RATE	₹2,208 / sq.ft.
CABIN PRICE (EX GST)	₹529,920
FINAL PRICE (INCL GST)	₹625,306

ENCLOSURE / LISTED INTERFACES ONLY

FOUR EXTERIOR ELEVATIONS



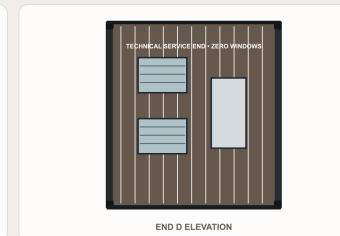
WALL A ELEVATION



WALL B ELEVATION



END C ELEVATION



END D ELEVATION

LEGEND ■ Battery-rack reservation ■ Thermal / PCS interface bay --- Cable-route reservation ■ ISO corner casting ■ Service / vent reserve

BUYER-FACING GA FOR APPROVAL • DO NOT FABRICATE FROM THIS BOARD

Battery system, rack count, cooling, venting, fire strategy, electrical integration, loads and certification require OEM/project engineering.

Revised 1.0.23 • BESS-30X08-MODULAR-WALKIN-V1 • source prices: workbook dashboard • status: GA-CANDIDATE-FOR-APPROVAL

SAMAN Portable • BESS Container GA Family V1

APPROVED GA — 40FT STANDARD BESS CONTAINER

Option BESS-40X08-STANDARD-WALKIN-V1 | Geometry authority for realistic images and buyer coordination



40FT STANDARD BESS CONTAINER

40' × 8' × 8'-6" • BESS-40X08-STANDARD-WALKIN-V1

Windowless walk-in BESS enclosure planning GA • battery capacity and final rack design by selected OEM

GA FOR USER APPROVAL

FLAT ISO CONTAINER ROOF
ZERO WINDOWS • NO MWh CLAIM

2
RACK ZONES

3'-0"
SERVICE AISLE

0
WINDOWS

2
ACCESS ASSEMBLIES

OEM
ENERGY CAPACITY

GENERAL ARRANGEMENT FOR APPROVAL

Nominal enclosure planning only • no fabrication release • no battery-system performance claim



PRODUCT FACTS

WALL / OPENING LEDGER

WALL A D2 • TMS / SDZ
WALL B VENT / RELIEF RESERVE
END C D1 DOUBLE SERVICE DOORS
END D TECHNICAL SERVICE END

ALL FOUR WALLS: ZERO ORDINARY WINDOWS

BATTERY / SERVICE PLANNING

RACK RESERVATION / SIDE 32.0 ft
END-D TECHNICAL BAY 6.0 ft
CENTRAL AISLE 3'-0" nominal
ENERGY CAPACITY OEM / project-specific

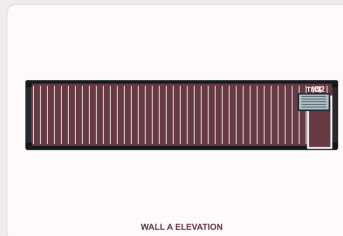
Rack zones are reserved envelopes, not approved rack counts or equipment footprints.

WORKBOOK PRICE CONTROL

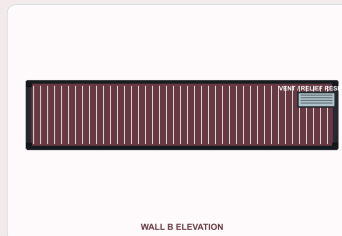
ADJUSTED RATE ₹2,185 / sq.ft.
CABIN PRICE (EX GST) ₹699,200
FINAL PRICE (INCL GST) ₹925,056

ENCLOSURE / LISTED INTERFACES ONLY

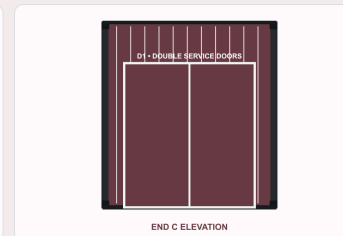
FOUR EXTERIOR ELEVATIONS



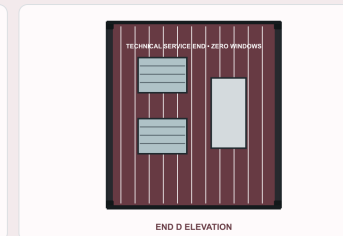
WALL A ELEVATION



WALL B ELEVATION



END C ELEVATION



END D ELEVATION

LEGEND ■ Battery-rack reservation ■ Thermal / PCS interface bay --- Cable-route reservation ■ ISO corner casting ■ Service / vent reserve

BUYER-FACING GA FOR APPROVAL • DO NOT FABRICATE FROM THIS BOARD

Battery system, rack count, cooling, venting, fire strategy, electrical integration, loads and certification require OEM/project engineering.

Ruleset 1.0.23 • BESS-40X08-STANDARD-WALKIN-V1 • source prices: workbook dashboard • status: GA-CANDIDATE-FOR-APPROVAL

SAMAN Portable • BESS Container GA Family V1

APPROVED GA — 40FT HIGH CUBE UTILITY BESS

Option BESS-40X08-HC-UTILITY-WALKIN-V1 | Geometry authority for realistic images and buyer coordination



40FT HIGH CUBE UTILITY BESS

40' × 8' × 9'-6" • BESS-40X08-HC-UTILITY-WALKIN-V1

Windowless walk-in BESS enclosure planning GA • battery capacity and final rack design by selected OEM

GA FOR USER APPROVAL

FLAT ISO CONTAINER ROOF
ZERO WINDOWS • NO MWh CLAIM

2
RACK ZONES

3'-0"
SERVICE AISLE

0
WINDOWS

2
ACCESS ASSEMBLIES

OEM
ENERGY CAPACITY

GENERAL ARRANGEMENT FOR APPROVAL

Nominal enclosure planning only • no fabrication release • no battery-system performance claim



PRODUCT FACTS

WALL / OPENING LEDGER

WALL A	D2 • TMS / SDZ
WALL B	VENT / RELIEF RESERVE
END C	D1 DOUBLE SERVICE DOORS
END D	TECHNICAL SERVICE END

ALL FOUR WALLS: ZERO ORDINARY WINDOWS

BATTERY / SERVICE PLANNING

RACK RESERVATION / SIDE	30.0 ft
END-D TECHNICAL BAY	8.0 ft
CENTRAL AISLE	3'-0" nominal
ENERGY CAPACITY	OEM / project-specific

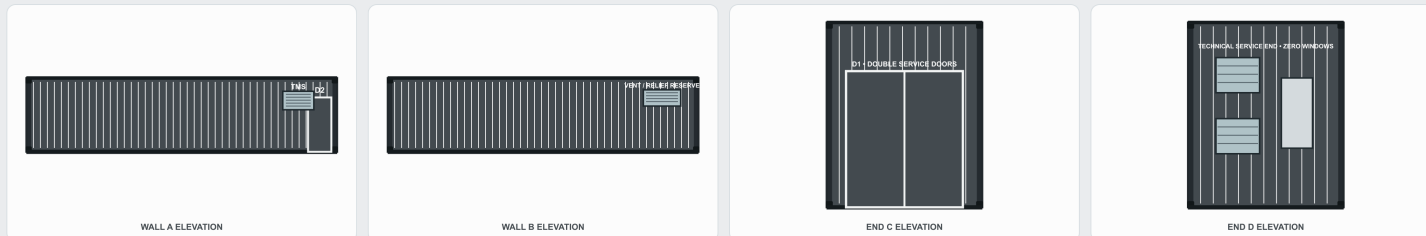
Rack zones are reserved envelopes, not approved rack counts or equipment footprints.

WORKBOOK PRICE CONTROL

ADJUSTED RATE	₹2,185 / sq.ft.
CABIN PRICE (EX GST)	₹699,200
FINAL PRICE (INCL GST)	₹925,056

ENCLOSURE / LISTED INTERFACES ONLY

FOUR EXTERIOR ELEVATIONS



LEGEND: Battery-rack reservation, Thermal / PCS interface bay, Cable-route reservation, ISO corner casting, Service / vent reserve

BUYER-FACING GA FOR APPROVAL • DO NOT FABRICATE FROM THIS BOARD

Battery system, rack count, cooling, venting, fire strategy, electrical integration, loads and certification require OEM/project engineering.

Revised 1.0.23 • BESS-40X08-HC-UTILITY-WALKIN-V1 • source prices: workbook dashboard • status: GA-CANDIDATE-FOR-APPROVAL

SAMAN Portable • BESS Container GA Family V1



BESS ENCLOSURE — MATERIAL & CONSTRUCTION LOGIC

Three controlled layers: shell, environmental separation and project-specific integration

01 STRUCTURAL ENCLOSURE SHELL



CORRUGATED STEEL SHELL

Containerized steel base/frame, corrugated steel wall and roof skin, ISO corner posts and castings.



02 ENVIRONMENTAL SEPARATION



LINER • INSULATION • FLOOR

Insulated inner lining, sealed floor build-up and corrosion-protection system selected for project exposure.



03 SERVICE INTEGRATION ZONES



ACCESS • THERMAL • CABLE

Door assemblies, louvre/relief reserves, cable routes and thermal/PCS interface bay coordinated to the OEM design.

ILLUSTRATIVE BUYER GUIDE — NOT A FABRICATION DETAIL OR STRUCTURAL CALCULATION

Approved shop drawings, OEM integration data, fire strategy, load schedules and project engineering govern final construction.



BESS ACCESS & SERVICE-INTERFACE PLANNING

Windowless walk-in family • immutable wall identities • OEM/project engineering controls active systems

ILLUSTRATIVE PLAN — LONGER SIZES



END C: D1 DOUBLE SERVICE DOORS

WALL A: D2 IN REAR BAY

ZERO ORDINARY WINDOWS ON ALL FOUR WALLS

End D remains an ordinary-door-free technical service end.

ACCESS

D1 equipment access at End C.
D2 personnel/service access on Wall A
for 20-, 30- and 40-foot variants.

THERMAL / RELIEF

Louvres, liquid-cooling interfaces and
pressure-relief strategy are OEM/fire-
engineering controlled—not office windows.

COMMERCIAL BOUNDARY

Battery racks, cells, BMS/EMS, PCS, HVAC,
fire suppression, commissioning and
certification remain excluded unless quoted.

ILLUSTRATIVE BUYER GUIDE — NOT A FABRICATION DETAIL OR STRUCTURAL CALCULATION

Approved shop drawings, OEM integration data, fire strategy, load schedules and project engineering govern final construction.

10FT COMPACT BESS CONTAINER

BESS-10X08-COMPACT-WALKIN-V1 | Approved GA-aligned realistic visualization



GA-ALIGNED EXTERIOR



GA-ALIGNED WALK-IN INTERIOR

TECHNICAL SUMMARY

NOMINAL ENCLOSURE	10 x 8 x 8.5 ft
RACK RESERVATION	5.5 ft per side
TECHNICAL BAY	2.5 ft End-D technical bay
ACCESS	D1 centred double service doors at End C
OPENINGS	No ordinary windows; End D remains ordinary-door-free
ROOF	Flat ISO container roof

BUDGETARY ENCLOSURE PRICE

Rs. 2,31,840

Rs. 2,73,571 incl. 18% GST

Rate: Rs. 2,898 per sq.ft.

20FT STANDARD BESS CONTAINER

BESS-20X08-STANDARD-WALKIN-V1 | Approved GA-aligned realistic visualization



GA-ALIGNED EXTERIOR



GA-ALIGNED WALK-IN INTERIOR

TECHNICAL SUMMARY

NOMINAL ENCLOSURE	20 x 8 x 8.5 ft
RACK RESERVATION	14 ft per side
TECHNICAL BAY	4 ft End-D technical bay
ACCESS	D1 at End C + D2 on Wall A rear bay
OPENINGS	No ordinary windows; End D remains ordinary-door-free
ROOF	Flat ISO container roof

BUDGETARY ENCLOSURE PRICE

Rs. 4,04,800

Rs. 4,77,664 incl. 18% GST

Rate: Rs. 2,530 per sq.ft.

20FT HIGH CUBE LIQUID-COOLED BESS

BESS-20X08-HC-LIQUID-WALKIN-V1 | Approved GA-aligned realistic visualization



GA-ALIGNED EXTERIOR



GA-ALIGNED WALK-IN INTERIOR

TECHNICAL SUMMARY

NOMINAL ENCLOSURE	20 x 8 x 9.5 ft
RACK RESERVATION	12.5 ft per side
TECHNICAL BAY	5.5 ft End-D technical bay
ACCESS	D1 at End C + D2 on Wall A rear bay
OPENINGS	No ordinary windows; End D remains ordinary-door-free
ROOF	Flat ISO container roof

BUDGETARY ENCLOSURE PRICE

Rs. 4,04,800

Rs. 4,77,664 incl. 18% GST

Rate: Rs. 2,530 per sq.ft.

30FT MODULAR BESS CONTAINER

BESS-30X08-MODULAR-WALKIN-V1 | Approved GA-aligned realistic visualization



GA-ALIGNED EXTERIOR



GA-ALIGNED WALK-IN INTERIOR

TECHNICAL SUMMARY

NOMINAL ENCLOSURE	30 x 8 x 8.5 ft
RACK RESERVATION	23 ft per side
TECHNICAL BAY	5 ft End-D technical bay
ACCESS	D1 at End C + D2 on Wall A rear bay
OPENINGS	No ordinary windows; End D remains ordinary-door-free
ROOF	Flat ISO container roof

BUDGETARY ENCLOSURE PRICE

Rs. 5,29,920

Rs. 6,25,306 incl. 18% GST

Rate: Rs. 2,208 per sq.ft.

40FT STANDARD BESS CONTAINER

BESS-40X08-STANDARD-WALKIN-V1 | Approved GA-aligned realistic visualization



GA-ALIGNED EXTERIOR



GA-ALIGNED WALK-IN INTERIOR

TECHNICAL SUMMARY

NOMINAL ENCLOSURE	40 x 8 x 8.5 ft
RACK RESERVATION	32 ft per side
TECHNICAL BAY	6 ft End-D technical bay
ACCESS	D1 at End C + D2 on Wall A rear bay
OPENINGS	No ordinary windows; End D remains ordinary-door-free
ROOF	Flat ISO container roof

BUDGETARY ENCLOSURE PRICE

Rs. 6,99,200

Rs. 8,25,056 incl. 18% GST

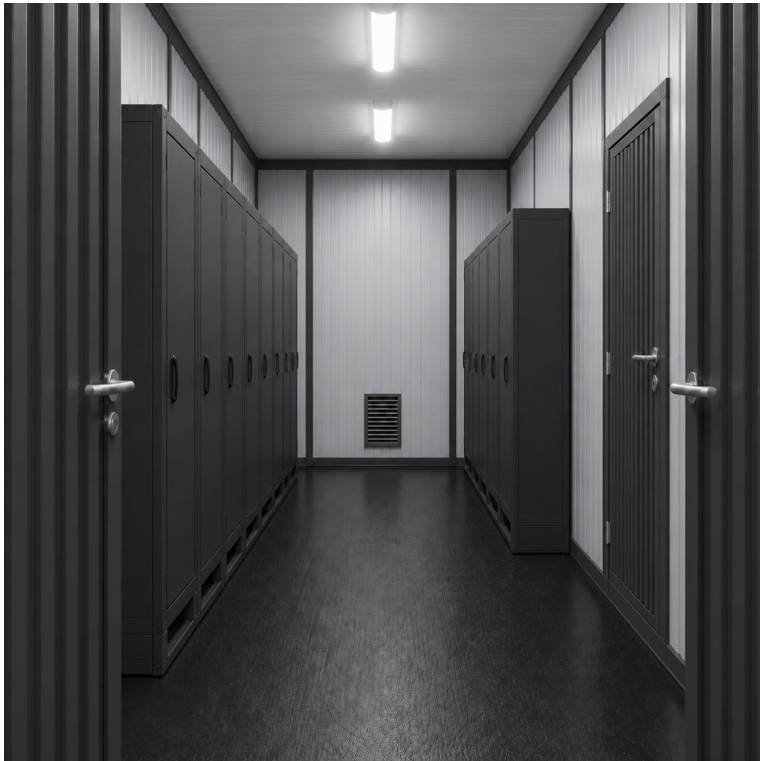
Rate: Rs. 2,185 per sq.ft.

40FT HIGH CUBE UTILITY BESS

BESS-40X08-HC-UTILITY-WALKIN-V1 | Approved GA-aligned realistic visualization



GA-ALIGNED EXTERIOR



GA-ALIGNED WALK-IN INTERIOR

TECHNICAL SUMMARY

NOMINAL ENCLOSURE	40 x 8 x 9.5 ft
RACK RESERVATION	30 ft per side
TECHNICAL BAY	8 ft End-D technical bay
ACCESS	D1 at End C + D2 on Wall A rear bay
OPENINGS	No ordinary windows; End D remains ordinary-door-free
ROOF	Flat ISO container roof

BUDGETARY ENCLOSURE PRICE

Rs. 6,99,200

Rs. 8,25,056 incl. 18% GST

Rate: Rs. 2,185 per sq.ft.

ENCLOSURE BASIS

- Containerized steel base/frame, corrugated wall and roof skin
- Flat ISO roof; zero ordinary windows
- Colour-matched vertical-corrugated steel doors
- Commercial handle and locking hardware concept
- Internal reservation zones follow the approved GA

EXCLUDED UNLESS QUOTED

- Battery cells, modules, racks and energy capacity
- BMS/EMS, PCS/inverter, transformer and switchgear
- HVAC/liquid cooling, fire detection and suppression
- Cabling, foundations, transport, installation and commissioning
- Testing, statutory approval and third-party certification

INFORMATION REQUIRED FOR FINAL ENGINEERING / QUOTATION

- Selected battery OEM, rack/module data and required usable energy/power duty
- Site location, ambient temperature range, corrosion category and seismic/wind inputs
- Thermal-management concept, heat rejection data and equipment service clearances
- Fire strategy, gas/pressure-relief basis, access/egress and authority requirements
- Electrical single-line, cable-entry schedule, earthing philosophy and auxiliary loads

This document supports buyer discussion only. Approved shop drawings, quotations and signed engineering documents govern supply.