

## BATTERY CABINET FOR 3PH UPS

310620-310621-310622-310623-310624-310626-310627  
310655-310656-310657-310658-310670-310671-310672  
310674-310940-310941-310942-310943-310659-310673-310966  
310968-310965-310967-310944-310980-310982-310981-310983  
310984-310985-310986-981167-981168-981169-981170-981171-981167  
981168-981169-981170-981171



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### 1. GENERAL DESCRIPTION

Legrand offers a complete range of battery cabinets for the whole Three-Phase UPS portfolio in Legrand UPS Catalog, from 10kVA up to 800kVA power range.

The Battery cabinet family is designed to house standard VRLA Batteries of capacity range from 24Ah to 105Ah (C10).

The battery cabinets, with 5 different mechanical dimensions, are able to contain various combination of Batteries, up to maximum 63 blocks, connected in series and parallel, with positive, negative and middle point poles and with max DC voltage of 800Vdc.

Legrand Battery cabinets are available in:

- empty version, without switches and protection but with predisposition of protection provided by the user;
- version equipped with Fuse holder switches and relevant protection fuses, sized accordingly with the power capability of installed batteries;

In version equipped with fuse holder is provided, as standard, an auxiliary contact to monitor the status (Open or Closed) of the fuse holder switch.

Electric safety is guaranteed also with opened door thanks to a polycarbonate panel, which segregate batteries, and dedicated plastic cover on the poles of the Fuse holder switches.

The proper ventilation is guaranteed, with natural air circulation, thanks to the ventilation holes, on cabinet side and rear panels.

### 2. TECHNICAL SPECIFICATIONS

General specifications	
Nominal Voltage	800 Vdc
Battery segregation	Internal panel in Polycarbonate
Switches and protection access	Internal bottom front side
Disconnection and protection devices *	Fuse Holders Switch with NH fast fuses (sized accordingly with Battery Power)
Fuse holder Open/Close signal*	Auxiliary Micro Switch
Cable Entrance	bottom sides (both left and right)
Cable connections	On Fuse holder terminals
Max Cable side entrance	3x 150mm <sup>2</sup>
Cabinet Access	Front door with key lock and removable sides and rear panels
Shelter Bent Metal Sheet Thickness	20/10
Shelves Bent Metal Sheet Thickness	30/10
Protection Degrees	IP20 (Optional IP21)
Colour	RAL 7016
Packaging	Carton box, Cabinet base with Forklift Access
Standard	IEC-EN 62040-1

\* For model equipped with Fuse Holders and Fuses

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### 3. PRESET CABINETS (With Switches and Protections)

Item Code	Cabinet Dimension (L x D x H) mm	Switches and Protection Kit	Terminal screws	Weight (kg)*	Batt (Ah)	No. of Blocks
310626	800x900x1420	1x FUSE HOLDER 3P NH1 250A - 3x aR FUSE 100A	6x M10	214	24	60
310627	800x900x1420	1x FUSE HOLDER 4P NH1 250A - 4x aR FUSE 100A	8x M10	215	24	40
310655	800x900x1420	1x FUSE HOLDER 2P NH1 250A - 2x aR FUSE 250A	4x M10	213	55	20
310656	800x900x1420	1x FUSE HOLDER 3P NH2 400A - 2x aR FUSE 315A	6x M10	215	70-93	20
310657	800x900x1420	1x FUSE HOLDER 3P NH2 400A - 2x aR FUSE 350A	6x M10	215	105	20
310658	800x900x1900	1x FUSE HOLDER 2P NH1 250A - 2x aR FUSE 100A	4x M10	253	24	21
310670	800x900x1900	1x FUSE HOLDER 4P NH1 250A - 4x aR FUSE 100A	8x M10	255	24	42
310671	800x900x1900	2x FUSE HOLDER 3P NH1 250A - 6x aR FUSE 100A	6x M10	254	24	63
310672	800x900x1900	1x FUSE HOLDER 2P NH1 250A - 2x aR FUSE 125A	4x M10	253	41	21
310674	800x900x1900	1x FUSE HOLDER 4P NH1 250A - 4x aR FUSE 125A	8x M10	255	41	42
310940	800x900x1900	1x FUSE HOLDER 2P NH1 250A - 2x aR FUSE 250A	4x M10	253	55	21
310941	800x900x1900	1x FUSE HOLDER 4P NH1 250A - 4x aR FUSE 250A	8x M10	255	55	42
310942	800x900x1900	1x FUSE HOLDER 3P NH2 400A - 2x aR FUSE 315A	6x M10	255	70-93	21
310943	800x900x1900	1x FUSE HOLDER 3P NH2 400A - 2x aR FUSE 350A	6x M10	255	105	21
310659	800x900x1900	1x FUSE HOLDER 3P NH1 250A - 3x aR FUSE 100A	6x M10	254	24	60-62
310673	800x900x1900	1x FUSE HOLDER 3P NH1 250A - 3x aR FUSE 125A	6x M10	254	41	60-62
310966	1200x900x1900	1x FUSE HOLDER 4P NH2 400A - 4x aR FUSE 315A	8x M10	337	70-93	40-42
310968	1200x900x1900	1x FUSE HOLDER 4P NH2 400A - 4x aR FUSE 350A	8x M10	337	105	42
310965	1200x900x1900	1x FUSE HOLDER 3P NH2 400A - 2x aR FUSE 315A	6x M10	335	70-93	50-52
310967	1200x900x1900	1x FUSE HOLDER 3P NH2 400A - 2x aR FUSE 350A	6x M10	335	105	50-52
310944	1200x900x1900	1x FUSE HOLDER 3P NH1 250A - 3x aR FUSE 250A	6x M10	334	55	60-62
310980	1400x900x1900	1x FUSE HOLDER 3P NH2 400A - 3x aR FUSE 315A	6x M10	385	70-93	60-62
310982	1400x900x1900	1x FUSE HOLDER 3P NH2 400A - 3x aR FUSE 350A	6x M10	385	105	60-62
310981	1400x900x1900	2x FUSE HOLDER 3P NH2 400A - 6x aR FUSE 315A	6x M10	385	70-93	60
310983	1400x900x1900	2x FUSE HOLDER 3P NH2 400A - 6x aR FUSE 350A	6x M10	385	105	60
310984	1400x900x2080	1x FUSE HOLDER 3P NH2 400A - 2x aR FUSE 350A	6x M10	415	105	21
310985	1400x900x2080	1x FUSE HOLDER 4P NH2 400A - 4x aR FUSE 350A	8x M10	417	105	42
310986	1400x900x2080	2x FUSE HOLDER 3P NH2 400A - 6x aR FUSE 350A	6x M10	415	105	63

\* Without Batteries

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### 4. LOOSE COMPONENTS

#### 1. Empty Cabinets

Item code	Description and dimensions (WxDxH mm)	Shelves included in the base	Weight (kg)*
310620	EMPTY BATTERY CABINET 800X900X1420	4	210
310621	EMPTY BATTERY CABINET 800X900X1900	5	250
310622	EMPTY BATTERY CABINET 1200X900X1900	5	330
310623	EMPTY BATTERY CABINET 1400X900X1900	5	380
310624	EMPTY BATTERY CABINET 1400X900X2080	5	410

\* Without Batteries

#### 2. Fuse Holder Kits

Legrand Code	Description	Cable termination size	Cover pole Quantity	Status Indicator Aux Switch	Fuse Holder Kit Weight (kg)
981167	FUSE SWITCH KIT 3P 250A NH1	6x M10 terminal screws	1	Yes	2,4
981168	FUSE SWITCH KIT 2P 250A NH1	4x M10 terminal screws	2	Yes	2
981169	FUSE SWITCH KIT 4P 250A NH1	8x M10 terminal screws	1	Yes	3,4
981170	FUSE SWITCH KIT 3P 400A NH2	6x M10 terminal screws	1	Yes	3,5
981171	FUSE SWITCH KIT 4P 400A NH2	8x M10 terminal screws	2	Yes	5

#### 3. Fuses

Legrand code	Description	Fuse Weight (kg)	Related Batt. Cap. (Ah)
981172	FUSE NH1 AR 100 A	0,42	24
981173	FUSE NH1 AR 125 A	0,42	41
981174	FUSE NH1 AR 250 A	0,42	55
981175	FUSE NH2 AR 315 A	0,62	70-93
981176	FUSE NH2 AR 350 A	0,62	105