

# LITHIUM BATTERY ENERGY SOLUTION

INCORPORATING



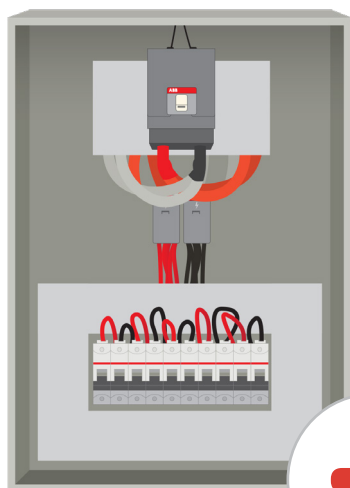
**LG Chem**



Flexible system designed cabinet holds up to 5 battery modules with heavy duty shelves, cable glands & cooling fans

DC Distribution Board with cable protection, combination and battery isolation

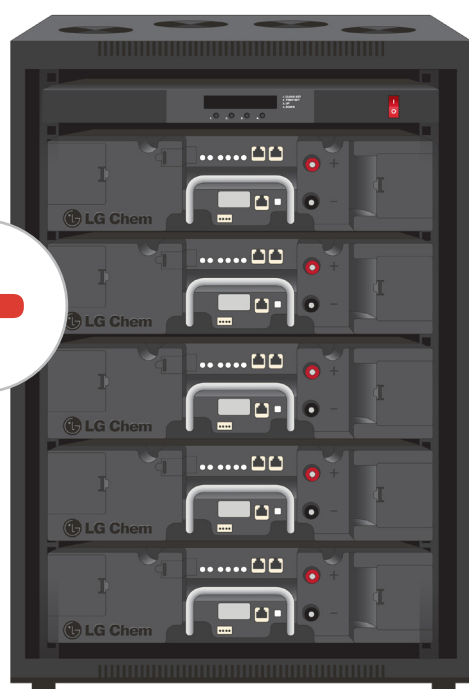
5 x ABB MCBs for up to 5 battery modules



UP TO **32.5kWh**  
TOTAL STORAGE



✓ COMPATIBLE WITH  
**SELECTRONIC**



## **32.5kWh & 65kWh LG Chem Lithium Battery storage solutions available**

Up to 15kW continuous power (315A @ 48V in parallel)

- Holds powerful LG Chem M48126P3S lithium modules, with proven safety record
- Power supply stabilisation and peak management

Scalable in 6.5kWh modules

Temperature controlled fan cooling

Pre-wired ABB distribution board

High end European switchgear and distribution blocks

Compact size & easy installation

# LITHIUM BATTERY ENERGY SOLUTION

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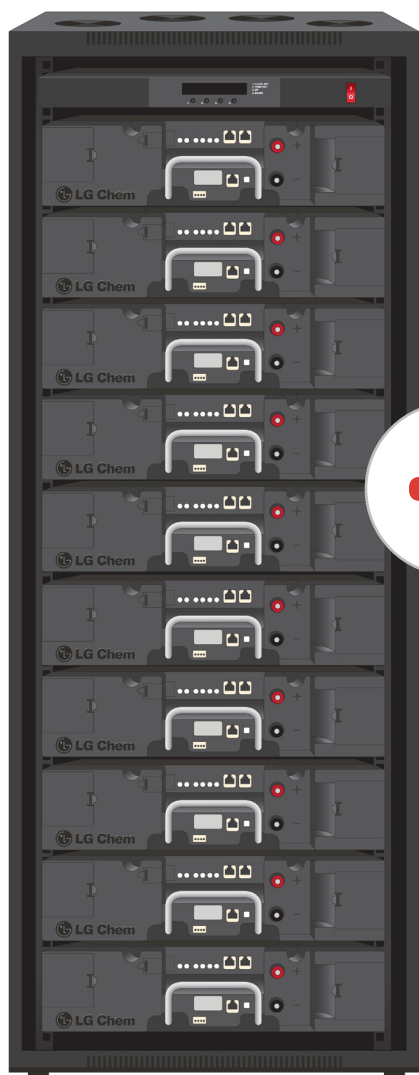
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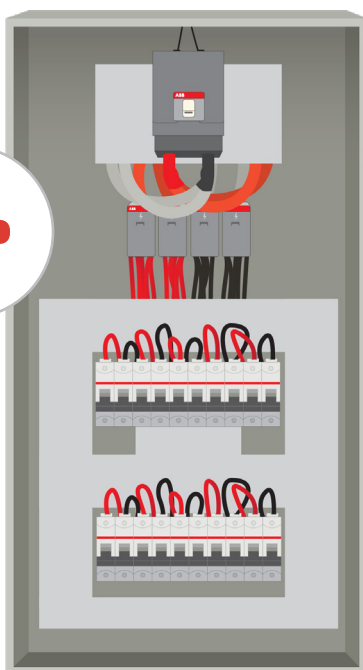
Flexible system designed cabinet holds up to 10 battery modules with heavy duty shelves, cable glands & cooling fans

DC Distribution Board with cable protection, combination and battery isolation

10 x ABB MCBs for up to 10 battery modules



UP TO **65.0kWh**  
TOTAL STORAGE



**32.5kWh & 65kWh  
LG Chem Lithium  
Battery storage  
solutions available**

Up to 30kW continuous power (630A @ 48V in parallel)

- Holds powerful LG Chem M48126P3S lithium modules, with proven safety record
- Power supply stabilisation and peak management

Scalable in 6.5kWh modules

Temperature controlled fan cooling

Pre-wired ABB distribution board

High end European switchgear and distribution blocks

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# TECHNICAL SPECIFICATIONS

## LG Chem BATTERY DETAILS

Parameter	EM48126P3S
Battery available operating temperature	-10°C - 45°C
Battery optimal operating temperature	15°C - 30°C
Humidity	5 to 95% (non-condensing)
Nominal Capacity	126Ah
Nominal Energy	6.5kWh
Nominal Voltage	51.8Vdc
Operating Voltage	42 - 58.8Vdc
Maximum Charge/Discharge Current	63A
Round Trip Efficiency	95%+

## ABB DISTRIBUTION BOARD DETAILS

	5 BATTERY CABINET	10 BATTERY CABINET
ABB Circuit Breakers	5 x S802C-C80 80A MCB	10 x S802C-C80 80A MCB
ABB Distribution Blocks	DBL400	DBL400
ABB Main Isolators	Tmax XT 250A MCCB	Tmax XT 250A or 630A MCCB
Escutcheon	Standard	Standard

## WEIGHTS & DIMENSIONS

	5 BATTERY CABINET	10 BATTERY CABINET
Cabinet (mm)	600 (W) x 1100 (H) x 800 (D)	600 (W) x 1750 (H) x 800 (D)
Cabinet (kg)	71kg	120kg
Battery Module (mm)	483 (W) x 110 (H) x 586.6 (D)	
Battery Module (kg)	44kg	
Distribution Board (mm)	600 (W) x 900 (H) x 225 (D)	600 (W) x 1100 (H) x 225 (D)
Distribution Board (kg)	50kg	60kg