

# SYNAPSE



## SYNAPSE Power Lite Lithium Battery

### Features

- ◆ A low voltage, safe and scalable multi-purpose LFP Battery solution
- ◆ The design allows for multi-parallel configurations (up to 16 units)
- ◆ Suitable for a wide range of application scenarios:
  - Residential energy storage
  - Off-grid energy storage
  - Micro-grid applications
  - UPS power supply
- ◆ Standing & Wall-Mounting installations available

SWITCHED ON

Model	
Product Code	SYNAPSE Power Lite Lithium Battery
Designed Life-Span	6000 Cycles*
Protection Level	IP20
Certificate	TUV/IEC 62619/CE-IEC 61000 IEC 62040/UN38.3
Calendar Life	10 Years*
Battery	
Battery Type	LiFeP04
Nominal Battery Energy	5.12 kWh
Nominal Capacity	100 Ah
Nominal Voltage	51.2 V
Working Voltage Range	48-57.6 V
Nominal Current (Recommended)	50A (0.5C)
Max Continuous Discharging Current (Cell)	100 A (1C)
Physical	
Dimensions (D x W x H)	530mm x 440mm x 132mm
Net Weight	43Kg
Communication	CAN / RS485 / RS232 / Dry Contact
Environment	
Working Temp. Range	0 to 50°C

\*Working Condition 0.5°C @25°C, 80% DoD, 1 cycle per day

### Accessories



Vertical Mounting  
Component (C100)



Wall-Mounting  
Component (C300)