

Apollion Cube



Apollion Cube 15S: Lithium-Ion Power

Storing solar energy

* depends on the respective inverter

GO WITH THE BEST FOR YOUR CUSTOM-TAILORED SOLUTION

MAXIMUM POWER FOR YOUR BUSINESS



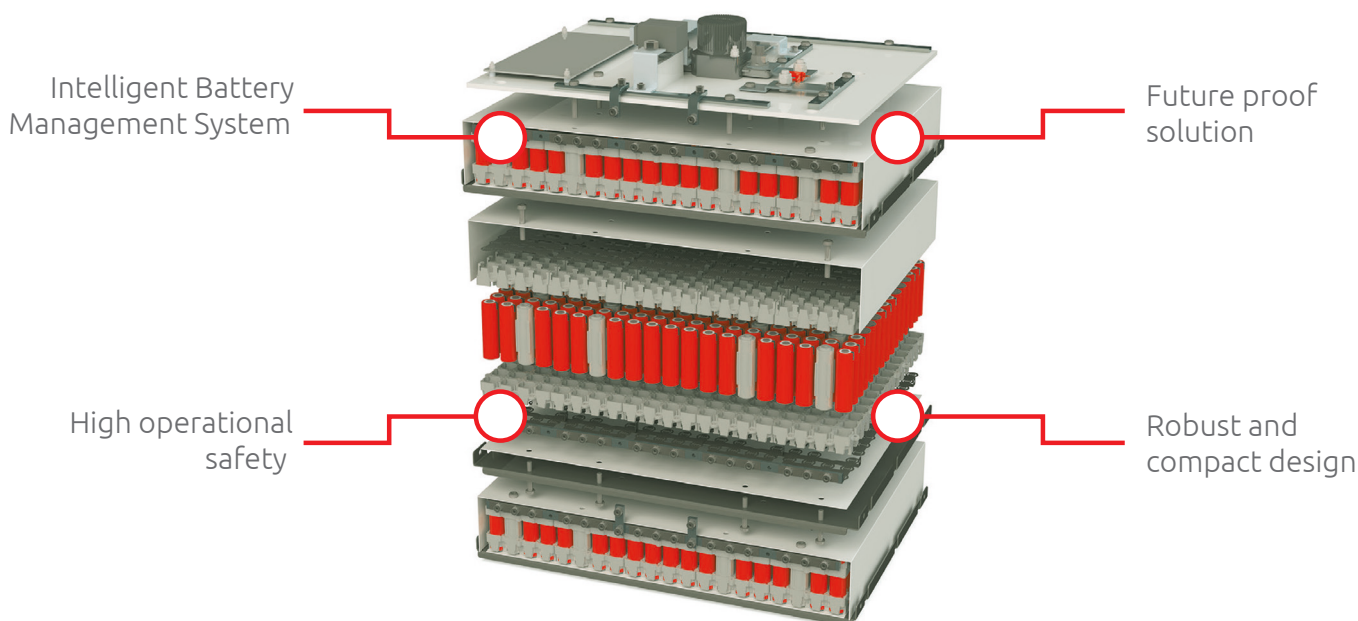
GET A LONG BENEFIT WITH 5,000 CYCLES

GENERAL PROPERTIES	Apollion Cube 15 S
Energy (nom./usable)	6.74 kWh/5.39 kWh
Nominal voltage	55.5 V
Charge end voltage	61.5 V
Discharge end voltage	45.0 V
Capacity (nom./usable)	121.5 Ah/ 97.2 Ah
Max. charge	90 A
Max. discharge current	300 A (3 sec.)
Max. discharge power	18 kW*
Weight	95 kg
Dimensions (mm) W x H x D	638 x 421 x 487 mm
Communication	CAN – SMA ready
Battery chemistry	Li-Ion NMC
Discharge depth	80% DOD
Full cycles	5,000
Battery Management System	Monitoring of cell voltage, cell temperature, current, derating and passive balancing
PERFORMANCE DATA	
Energy density (weight)	71 Wh/kg

OUR DEVICES ARE UN 38.3 CERTIFIED FOR SOUNDNESS AND SAFETY

MULTI-LEVEL-SAEFTY CONCEPT

- Short circuit proof relay and 2nd protection (pyro fuse) for a redundant battery cut-off
- Overvoltage and low voltage monitoring for each cell string with redundant battery cut-off
- Temperature monitoring for each cell string and current interrupt device (CID) in each cell
- Protection against a reboot after deep discharge or any other serious error
- No insecure parallel connection of cells without current interrupt device (CID) in each cell
- Active current control as a function of cell voltage and temperature (derating)
- Double metal housing

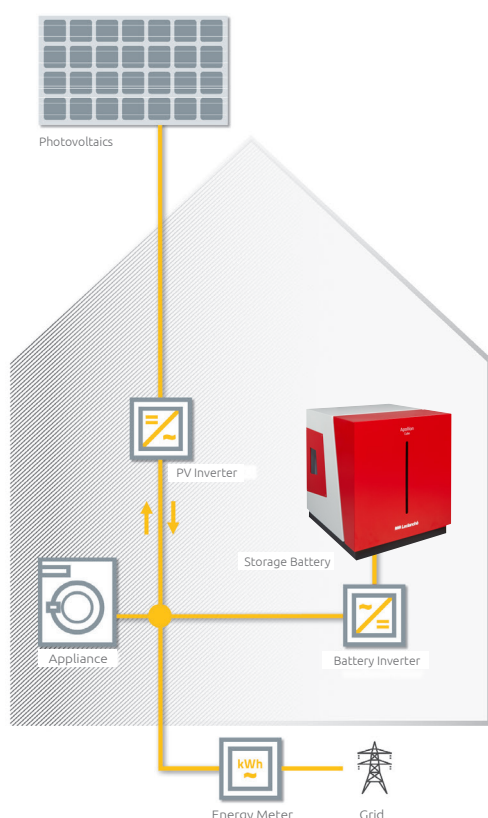
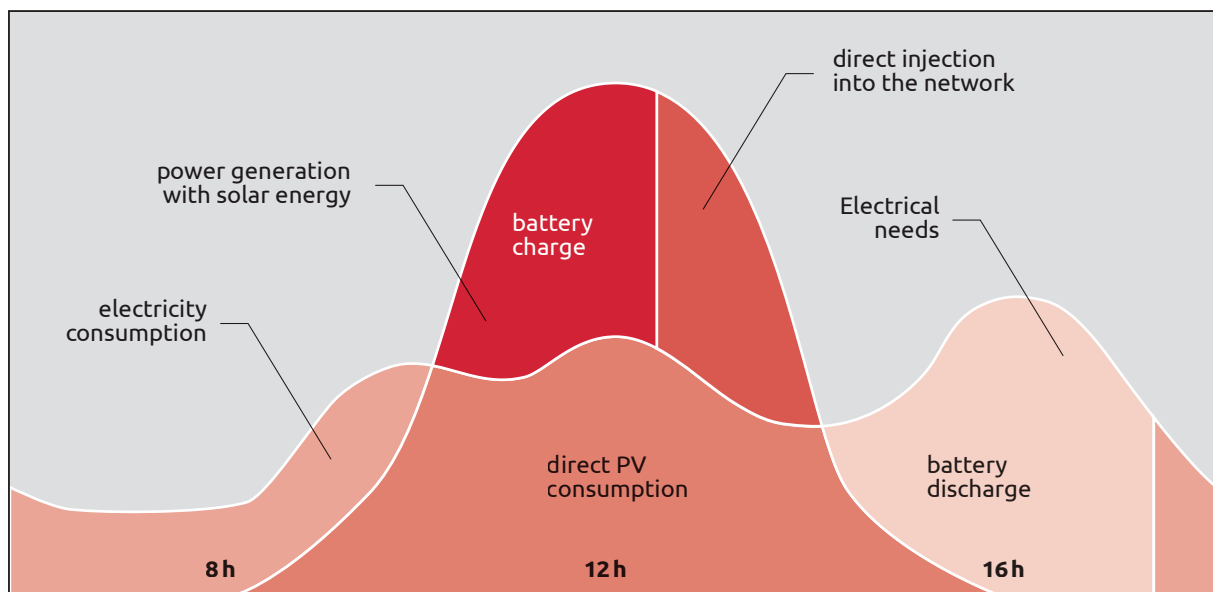


USER INFORMATION

- Discharge temperature (cells): 2 °C to +45 °C
- Charge temperature (cells): 2 °C to +45 °C
- Recommended storage temperature: 10 °C to 25 °C
- Self discharge (cells): ca. 2 % per year
- Protection class: IP 21
- European Conformity (CE): yes
- Our devices are UN 38.3 certified
- Stand-by consumption: Active mode 5 W
Sleep mode 0.126 W

TECHNICAL PROPERTIES

- Powerful energy storage system
- High efficiency: 95 %
- High discharge depth: 80 % DOD (Depth of Discharge)
- Durable: 5,000 full cycles
- High operational safety
- Max. parallel connection (of batteries): 12 (additional hardware required)
- Warranty: 2 year warranty (optional extendable)



YOUR BENEFITS:

- Reducing energy costs
- Environmental technology
- Emergency power supply in case of power outage

TECHNOLOGY PARTNERS

Choose your technology partner



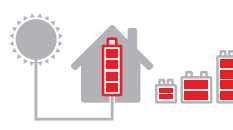

Leclanché
Energy Storage Solutions

Leclanché SA

Avenue des Sports 42
CH - 1400 Yverdon-les-Bains
home.storage@leclanche.com
T +41 (0)24 424 65 00
F +41 (0)24 424 65 60



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