

Modular scalable
**Lithium-Ion
Energy System**



LiCube[®]
modular LiFePO4-System

- ✓ **Modular scalable**
12V - 750V DC system up to max. 96kWh
- ✓ **Suitable for rapid charging & opportunity charges**
High availability and great autonomy
- ✓ **Long life span**
>2.500 cycles at 80% D.o.D.
- ✓ **Efficient, lightweight & compact**
Saves energy and reduces CO₂ emissions
- ✓ **Maintenance free & without any emission**
Completely closed (IP67)
- ✓ **Minimal self-discharge**
<3% per month at 23°C
- ✓ **Integrated BMS**
high system security and stability
- ✓ **Meets Industry Standard**
CE, EMC, UN38.3, rugged design

Modular scalable Lithium-Ion Energy System



Technical specifications:

Nominal energy	0.6 kWh	0.9 kWh	1.5 kWh
Nominal voltage	12.8 V		
End of charging voltage	14.4 V		
End of discharge voltage	11.2 V		
Nominal capacity	50Ah	70Ah	120Ah
Recommended charging current	25A (1/2 C, 2h)	35A (1/2 C, 2h)	60A (1/2 C, 2h)
Max. RMS current	50A (1 C, 1h)	70A (1 C, 1h)	120A (1 C, 1h)
Peak discharge currents	500A (6 sec.) / 1.000A (2 sec.)		
Temperature on discharge	-20°C ... +50°C		
Temperature on charge	0°C ... +45°C		
Storage conditions	0°C ... +35°C (6 months) / -40°C ... +60°C (1 month) at 60 % SOC		
Self-discharge	<3 % per month at 23°C		
Lithium-Ion cell type	LiFePO ₄ / LFP		
Lay-out options	max. 64 units in series, max. 10 parallel		
End terminals	M8 flat contacts / M10 bolts		
Standards	IP67, UN38.3, CE, EMC, div. Standards		
Indicator for SOC / SOH	LED indicator for charge / discharge status and service		
System integration	Open CAN bus (CiA 418)		
Dimensions (L x W x H)	225 x 175 x 200 mm	225 x 175 x 235 mm	225 x 175 x 320 mm
Weight	9.6 kg	12.2 kg	17.8 kg

Technical modifications are reserved.

Distribution by:



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