



- ✓ Highly secure
- ✓ Modular design
- ✓ Easy installation
- ✓ Emergency power and off-grid function
- ✓ Synergrid approved

FIREFLY.



## Firefly - Battery

### Battery module - BMS

#### Battery pack

Type	LiFePO4
Capacity	3,6 kWh
Capacity	75Ah
Nominal Voltage	48VDC
Voltage range	40-59VDC
Minimum number of cycles at 80% DOD	>5000
Estimated lifespan	15 years (>85% of the initial capacity)
Max PV input current	11 + 11A
Max. PV power per MPPT	4000 + 4000W

#### System

Max. charge/discharge power	3600W
Peak power	4500W (30 sec.)
Max. power at AC backup (EPS)	3000W
Switchover time at AC backup (EPS)	<10 ms
Max. number of battery modules	7
Max. capacity	25,2 kWh

#### External factors

Temperature	-10 to 45 °C
Humidity	5 - 90%
IP rating	IP54

#### Safety

DC switch	yes
Polarity protection	yes
DC leakage protection	yes
Overcurrent protection	yes

#### General

Dimensions (lwxh)	430x430x279 mm
Weight BMS + 1 module	49kg
Communication	CAN, RS485, Wifi
Warranty	10 years
Synergrid approved	yes
Certification	EN50549-1, AS4777, VDE-AR-N4105, VDE0126, G83, G59, IEC62109-1-2, IEC62040, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3