

FLASH BATTERY PACK - TECHNICAL PROPOSAL #1

51,2V 105Ah – 5,38 kWh

Flash Battery Pack

LFP

FLASH BATTERY PACK		
Specification		Battery Pack
Chemistry		LFP
Battery Pack Number		1
Battery Pack System		Single
Flash Battery BMS Type		Passive Balancing System
Nominal Voltage [V]		51,2
Minimum Voltage [V]		44,0
Maximum Voltage [V]		59,20
Maximum Regen. Voltage [V]		56,00
Nominal Capacity [Ah]		105
Nominal Energy [kWh]		5,38
Available Energy @80 DOD [kWh]		4,30
IP Grade		65
Constant Current Available [Ah]		100
Peak Current max 60sec [Ah]		150
Battery Pack Dimension [mm]	L	545
	W	320
	H	285

Voltage **51,2 V** – Capacity **105Ah**
 Nominal Energy **5,38 kWh** (4,3 kWh@80%DOD*)



Battery Charger

General characteristics

Our batteries can interface with all the major charger brands and we constantly research for new and more performing solution.

According to current situation we suggest the following model for your application.

Flash Battery proposal OFF Board

Zivan NG3 Flash Battery code: H00102
Voltage input 230V – Max current 22 A
Max power output 2,9 kW (50 A)
IP Rating 20



Flash Battery Pack LFP Specification

General characteristics

Flash Battery Energy Pack is composed LiFePo4 prismatic cells type with high Energy density in aluminum case.

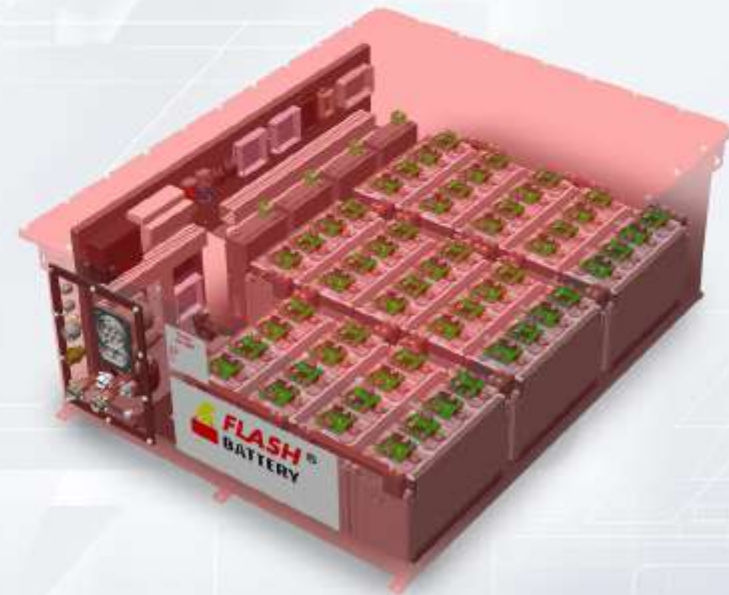
General Cells Spec

Cell type: A+ Nominal Voltage: 3,2V

Discharge C-rate: 1C (constant) up to 2C (60sec)

Charge C-Rate: 0,5C (constant) up to 0,8C 30min then derating 0,35C

Espected cycles life >4000 Estimanted @70%DOD



Flash Battery Pack

Integrated Component

- Proprietary BMS
- Protection Fuses
- Contactor controlled by BMS
- Overpressure relief valve
- Power connector – reblig connectors
- Signal connector
- Internal and external temperature sensors

Mechanical features

- Working temperature: -10°C / $+40^{\circ}\text{C}$
- IP Grade: IP65

Certification

- CE
- UN38.3

