Dynamis Akeraios 48V 100 Ah

51.2 V, 100 Ah $LiFePO_4$ battery (5120 Wh) for solar systems, boats and electric mobility, with Bluetooth monitoring in the Battery Monitor app.

Code DA48100

Capacity	Nominal voltage	Energy	Cycle life	Weight	Warranty
100 Ah	**51.2** V	**5,120** Wh	**6,000** cycles	**50** kg	**5** years

A lithium iron phosphate ($LiFePO_4$) battery, one of the most stable lithium chemistries. It stays stable under heavy loads and performs in demanding conditions, has no memory effect, so it needs no full charge and discharge cycles, and handles deep discharge and recharging efficiently. It is smaller than a battery of a conventional chemistry with the same energy.

Bluetooth monitoring is built in: the Battery Monitor app shows the battery's data in real time on your phone or tablet.

Several batteries can be connected in parallel for more capacity; this battery is not for connection in series. It comes with a 5-year manufacturer's warranty.

Electrical

Chemistry	**$LiFePO_4$ (LFP)**
Configuration	**16S1P (16 cells)**
Capacity	**100** Ah
Nominal voltage	**51.2** V
Energy	**5,120** Wh
Charge voltage	**58.4** V
Cut-off voltage	**40** V
Max. charge current	**50** A
Max. continuous discharge	**150** A
Peak discharge	**500** A for 1 s
Cycle life	**6,000** cycles
Round-trip efficiency	**98** %
Self-discharge	**4** % per month

Physical

Length	**522** mm
Width	**240** mm
Height	**218** mm
Weight	**50** kg
Terminals	**Screw Terminals M8**

Environment

Operating temperature	**−20 to 60 °C**
Ingress protection	**IP65**

Interfaces and certifications

Communication	**Bluetooth**

Connecting batteries

Max. in series	**Not supported**

Warranty

Warranty period	**5** years
Warranty cycle limit	**6,000** cycles