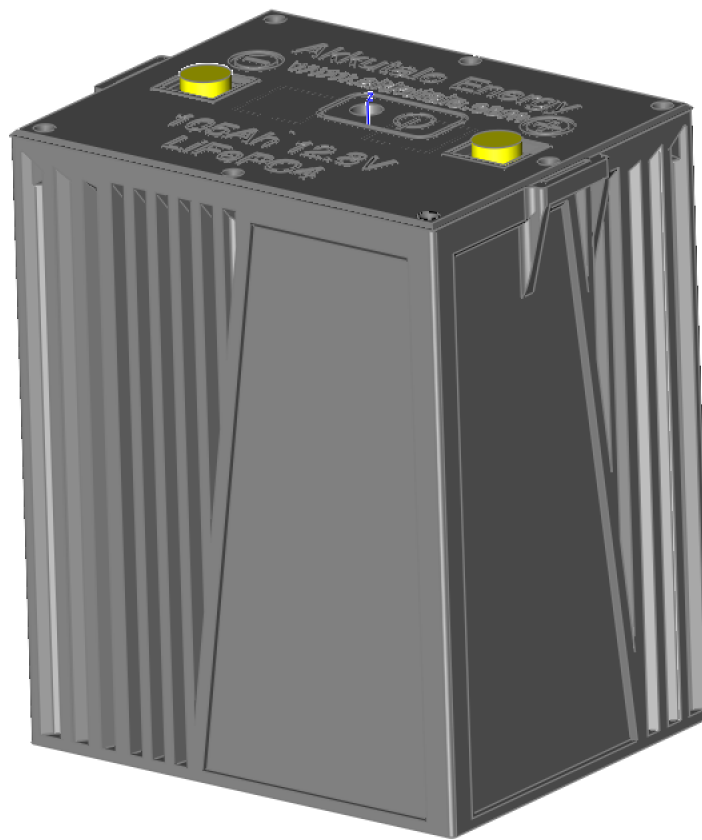




ACB13A

[EN] 12.8V 105Ah Smart LFP Battery

[FI] 12.8V 105Ah Älykäs LFP Akku

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EN - Overview

ACB13A is a battery designed for mobile recreational use (Camper Van, Boats, etc). Battery has nominal voltage of 12.8V and has four LFP cells connected in series. Battery has incorporated battery management system (BMS) which improves the battery performance and protects the battery from damage. BMS tracks the status of the battery and it can be connected via Bluetooth using dedicated App available for Android and iOS

Quick Instructions

Follow these steps to take the battery into use:

1. Secure battery in place so that it does not move
2. Connect battery to the circuit, make sure there is appropriate fuse in the circuit
3. Apply voltage to the terminals in order to start the BMS
4. Battery is now ready for use

Optional steps:

1. Download mobile phone app from Android Play-store or Apple App store
2. Register product via app or via our web-site
3. Connect to the battery using bluetooth connection

Battery is then ready for use.

Important Info

Battery can be connected parallel to the existing system that has AGM batteries. Full capacity of the battery may not be utilized but it will improve the efficiency of the solar charging system.

If AGM batteries are not connected parallel and the battery is charged from the engine alternator, it is important to have a protection device installed that will prevent alternator damage if the BMS system engages protection measures. BMS will basically disconnect the battery from the system which can leave voltage floating causing voltage spikes that can break alternator diodes.

Specifications

Main components of the battery are the LiFePO₄ cells with 105Ah nominal capacity and Smart BMS system with maximum discharge current of 200A.

Feature	Value	Unit
Nominal Voltage	12.80	V
Max Voltage	14.65	V
Min Voltage	10.00	V
Nominal capacity	105 1.34	Ah kWh
Max Discharge Current (30s Pulse)	200	A
Max Continuous Discharge Current	100	A
Balancing Current	2	A
Max Charge Current	100	A
Max Discharge Temp	55	°C
Min Discharge Temp	-20	°C
Max Charge Temp	55	°C
Min Charge Temp	0	°C
Cycle life	>3500	Charge/Discharge cycles
Width	154	mm
Height	236/250	mm
Thickness	202	mm
Weight	9.50	kg

Using the App

TDB

Troubleshooting

Asd