



piCAN-Bike-Adapter



Features

- Powered by EnergyBus
- Adapter for batteries without EnergyBus-Interface
- with 16bit microcontroller
- Unique ID
- Aluminium enclosure, IP65
- retrofittable



Overview

The piCAN-Bike-Adapter is a small microcontroller module that allows the connection of EnergyBus not compatible batteries into an EnergyBus system. Thanks to the integrated EUI-48 EEPROM, the adapter has an unique ID and is therefore clearly recognizable.

The specific characteristics of the loaded unit (maximum charge current, charge voltage, battery type, etc.) can be programmed directly into the adapter. The adapter supports the EnergyBus / 454 CANOpen standard, so the connection into an EnergyBus system is possible.

Details

Basics

Processor	DSPIC33F 16bit Digital Signal Controller
EEPROM	Serial EEPROM with EUI-48 Node Identity
Power Supply	12VDC via CAN/EnergyBus

Interfaces

Rosenberger	Plug housing, uncoded
CAN	Isolated 3.3V CAN Transceiver Supports EnergyBus/CANOpen 454

Other Features

Board Size	52 x 48mm
Power	Aux. Input 12V, switchable
Temperature Range	-10°C-70°C
Enclosure	Alubos 600, IP65, 57 x 32 x 50mm