

# "BRAIN BEHIND BATTERIES"

The advanced Bluetooth in industry



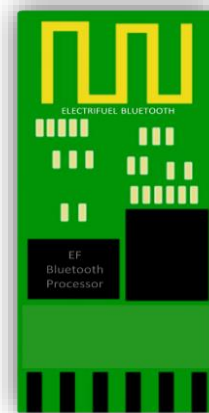
## EFBL

**ELECTRIFUEL EFBL** is the perfect diagnostics and communication device for your battery, Its super-efficient BLE 5.0 module, is targeted for applications where highly reliable wireless connection, ultra-low power consumption features, a high-performance integrated chip antenna, and built-in low frequency crystal for power-efficient operation, real-time data sharing, it monitors and share the battery data enabling you always keep a monitor of your valuable battery.

### KEY FEATURES:

Extensive innovative efforts have brought in many intelligent features.

- Protocol- v5.0 BLE.
- Max. Range- 80 meters (Line of sight).
- Support I2C & UART Communication.
- UART interface with programmable baud.
- With an integrated antenna.
- 1 Mbps, 2 Mbps supported data rates.
- -96 dBm sensitivity in Bluetooth low energy mode.

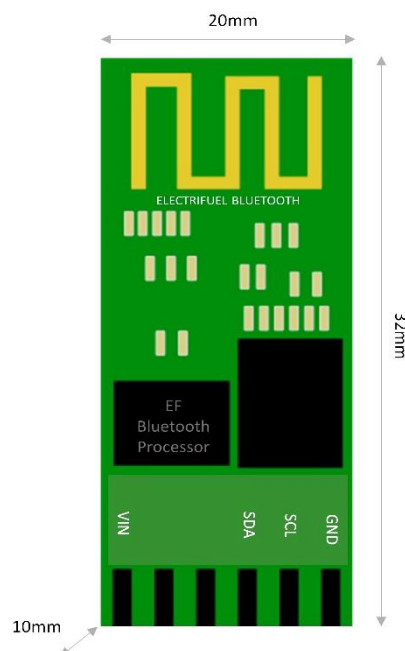




## TECHNICAL SPECIFICATIONS

General Information	
Type	BLUETOOTH v5.0
Dimensions	32 x 20 x 10 mm
Weight	20 g (Approx.)
Tracking	
Antenna	Ceramic chip, u. FL Connector
Max Range	80 meters (line of sight)
Radio Specification	
1 Mbps, 2 Mbps supported data rates	
96 dBm sensitivity in Bluetooth low energy mode	
Tx power -20 to +4 dBm in 4 dB steps	
RSSI (1 dB resolution)	
2 Mbps Bluetooth low energy mode	
Software	
Software features	<ul style="list-style-type: none"> <li>• Battery LOG data: YES</li> <li>• Mobile App Interface</li> </ul>
Hardware Specifications	
Power Supply	3.3v - 3.6v
Interface	1x I2C, 1x UART
Crystals	32 MHz & 32.768 KHz
Memory	RAM-24KB, ROM-192KB
Operating temperature	-40 C to 85 C
Power Consumption	1) Standby - 1mA 2) Operation(TX,RX) - 20mA

## MECHANICAL & PIN SPECIFICATIONS



## Revision History-

Rev	Description	Release Date
A	Initial Release	20-01-2023