

# OBDII EV Parameters

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## Introduction

Due to increase of EV vehicles, Teltonika OBD devices (FMB001, FMx003, FMx00A) are now able to read more in depth EV vehicle battery parameters. Such detailed parameter readings will let of better vehicle maintenance monitoring.

## Downloads

You can download suitable firmware and configurator from [here](#)

## Supported parameter list

Property ID in AVL packet	Property Name	Bytes	Type	Value range		Multiplier	Units	Description	Parameter Group
				Min	Max				
411	OEM Battery charge level	1	Unsigned	0	100	-	%	Represents battery charged level	OBD OEM elements
755	OEM Remaining distance	2	Unsigned	0	65535	-	km	Remaining distance until fuel tank empty or battery (EV) depleted	OBD OEM elements
1151	OEM Battery State Of Health	2	Unsigned	0	65535	-	%	Battery State of Health	OBD OEM elements
1152	OEM Battery Temperature	2	Signed	-32768	32767	-	°C	Battery pack temperature	OBD OEM elements
1378	OEM HV Battery Min Cell Voltage	2	Unsigned	0	65535	0.1	V	Minimum battery cell voltage	OEM EV
1379	OEM HV Battery Max Cell Voltage	2	Unsigned	0	65535	0.1	V	Maximum battery cell voltage	OEM EV
1380	OEM HV Battery Current	2	Unsigned	0	65535	0.1	A	Current used by high-voltage battery	OEM EV
1381	OEM HV Battery Voltage	2	Unsigned	0	65535	0.1	kWh	High voltage battery voltage	OEM EV
1382	OEM HV Battery Max Energy	2	Unsigned	0	65535	0.1	kWh	Maximum energy capacity	OEM EV
1383	OEM HV Battery Measured Energy	2	Unsigned	0	65535	0.1	kWh	Measured current energy capacity	OEM EV
1386	OEM HV Battery Min Cell Temperature	2	Signed	-32768	32767	0.1	°C	The lowest measured cell temperature	OEM EV
1387	OEM HV Battery Max Cell Temperature	2	Signed	-32768	32767	0.1	°C	Maximum measured cell temperature	OEM EV

1388	OEM HV Battery Lifetime Power Use	4	Unsig ned	0	2147 4836 48	-	kWh	Electric energy consumed during the lifetime of the car	OEM EV
1389	OEM HV Battery Lifetime Charge Power	4	Unsig ned	0	2147 4836 48	-	kWh	Electric energy charged during the lifetime of the car	OEM EV