

FMB battery



Example:

BatState: 1 FSMState: ACTIVE ChargerIC: OFF ExtV: 11796 BatV: 3942 BatI: 0

Response details	Description	Description
BatState	Battery: 0 - disconnected 1 - connected	BatState: 1
FSMState	Current battery state	FSMState: ACTIVE
ChargerIC	Battery charging status	ChargerIC: OFF
ExtV	External voltage	ExtV: 11796
BatV	Battery voltage	BatV: 3942
BatI	Battery charging current	BatI: 0

Note: If you want to know device **battery level %**, send **SMS/GPRS** command: **readio 113**

Example: Device has battery level 100 %

Sending command: readio 113

Answer sent from the device: IO ID:113 Value:100

Value: 100 means that battery level is 100% !

Command for Personal Trackers

```
ChargerType: INTERNAL
BatStatus: CHARGER_IN
ChargerIC: CHARGING ExtV:
4712 BatV: 3607 BatI: 403
BatLvl: 29
```

Example of battery SMS command response

After issuing 'battery' request via SMS, we get the following result:

Example:

ChargerType: INTERNAL BatStatus: CHARGER_IN ChargerIC: CHARGING ExtV: 4712
BatV: 3607 BatI: 403 BatLvl: 29

Response details	Description
ChargerType:	INTERNAL
BatStatus	Current battery state
ChargerIC	Battery charging status
ExtV	External voltage

BatV	Battery voltage in mV
BatI	Battery charging current in mA
BatLvl	Battery level in percents

BatStatus details	Note
PRESENT	Battery is present, notify voltage
CHARGER_IN	Charger plugged in, charging
CHARGER_OUT	Charger was removed
OVERVOLPROTECT	Abnormal behaviour, charging error
OVERBATTEMP	Battery's temperature over 45C when device is on charge and 58C when device is in discharge mode
LOWBATTEMP	Battery's temperature under -15C
OVERCHARGECURRENT	Abnormal behaviour, charging error
CHARGE_COMPLETE	Battery fully charged
INVALID_BATTERY	Abnormal behaviour, battery error
INVALID_CHARGER	Abnormal behaviour, charging error
CHARGING_TIMEOUT	Abnormal behaviour, charging error
LOWCHARGECURRENT	Abnormal behaviour, charging error
CHARGE_BAD_CONTACT	Abnormal behaviour, charging error
BATTERY_BAD_CONTACT	Abnormal behaviour, battery error
USB_CHARGER_IN	Charger plugged in, charging
USB_CHARGER_OUT	Charger was removed
USB_NO_CHARGER_IN	Charger plugged in, not charging
USB_NO_CHARGER_OUT	Charger was removed
BATTERY_IN	Battery is attached
BATTERY_OUT	Battery is removed

ChargerIC Status

STANDBY
CHARGING
DONE
ERROR
OFF