

No.	Name in MPeV6 SET app	Name in MaxiColor 850C display	Unit	1.	2.	3.	4.	5.	Allowable range	Description
Battery and current sensor / 1-9										
1	1_BATCAP_AH	1. Battery capacity Ah	Ah*10	192	192	192	440	440	1-65000	Battery capacity in Ah (ampere-hours). This value can be measured with MPe or calculated. Example 1 - measured by MPe. We fully charge the battery and then ride e-bike to discharge it. MPe shows, when the battery is fully discharged, the consumption is 19.2Ah, that is $19.2 * 10 = 192$. We enter the value: 192. Example 2 - Calculated. One cell has 3.5Ah, we have a battery in which there are 7 cells connected in parallel, this gives $7 * 3.5 = 24.5$ Ah. We assume that our battery is 85% of its nominal capacity, this gives $24.5 * 0.85 * 10 = 208.25$, then we enter 208. Important: The battery in an electric vehicle will never be at 100% capacity from the cell label. Usually it is 70-95%.
2	2_BATCAP_WH	2. Battery capacity Wh	Wh	1114	1114	1114	3190	3190	1-65000	Battery capacity in Wh (watt hours). This value can be measured with MPe or calculated. Example 1 - measured by MPe. We fully charge the battery and then ride e-bike to discharge it. MPe shows consumption of 1114Wh when the battery is fully discharged. We enter the value 1114. Example 2 Calculated for a Li-ion battery. The average cell voltage is 3.625V. Our battery has a 16S (sections) and 19.2Ah (ampere hours), that is $16 * 3.625 * 19.2 = 1113.6$ Wh. We enter the value 1114.
3	3_LVC	3. Low voltage cutoff	V*10	480	480	480	600	600	300-999	Voltage at which MPe will cut off the drive. Most often it is the voltage of a fully discharged battery. Enter a voltage such that MPe will disconnect the drive first, before the BMS does. For example: a discharged battery is 49V, which gives $49 * 10 = 490$. We enter the value 490.
4	4_FULL_BATT_V	4. Full battery voltage	V*10	665	665	665	835	835	300-999	Voltage of a fully charged battery after the balancing cycle is completed. For example: a charged battery is 66.5V, this gives $66.5 * 10 = 665$, then we enter 665. It is important for correct operation of battery level indicator
6	6_CURDIR	6. Current measure direction	0/1	1	1	1	1	1	0/1	The current sensor in MPe is bidirectional and, depending on the connection, can show the current at + or -. We want the + sign to be displayed during discharge, and the - sign of the measured current during charging or regenerative braking. If the measured current is opposite to the expected value, then we enter the value opposite to the one entered now, i.e. if it is 0 then we will enter 1, and if it is 1 we will enter 0.
Speed reading / 25-28										
26	26_PERIMETER	26. Wheel perimeter	mm	2160	2160	2160	2050	2050	1-9999	Wheel circumference expressed in millimeters [mm].
27	27_MOT_MAG	27. No. of speed sensor magnets	pcs.	46	46	46	32	32	1-999	When using a hall sensor from a motor, it is the number of magnets in the motor (not the number of pairs / poles). When using a reed switch and a magnet / sensor on the spokes, enter the value = 1.
Brake sensor / 35										
35	35_EBRAKEHILO	35. Direction NO / NC	0/1	0	0	0	0	0	0/1	Selection of the type of brake sensor. For GND operation 0 = normally open (when we do not have the brake handle pressed the sensor is open), 1 = normally closed (when we do not have the brake handle pressed the sensor is shorted). For 12V operation values are opposite.
Temperature reading / 40-44										
41	41_TEMPTYPE1	41. Temp. 1 type	0/1/2/3/4	0	0	0	4	4	0/1/2/3/4	Here we select the type of temperature sensor connected to the T1 port. 0 = LM35, 1 = NTC10K, 2 = KTY83, 3 = NTC10k single wire (common ground with hall, D switch ON), 4 = KTY83 single wire (common ground with hall, D switch ON).
42	42_TEMPTYPE2	42. Temp. 2 type	0/1/2/3/4	0	0	0	0	0	0/1/2/3/4	Here we select the type of temperature sensor connected to the T2 port. 0 = LM35, 1 = NTC10K, 2 = KTY83
Pedal assist PAS / 70-126										
71	71_LIMIT_ON_OFF	71. Limit mode on/off	0/1	1	1	1	1	1	0/1	Here we set whether MPe is in the locked mode (power and speed limitation set in parameters 72_LIMIT_SPEED and 73_LIMIT_POWER). Additionally, the thumb throttle does not work in locked mode. 0 = unlocked mode, 1 = locked mode. In the MiniOled display, there is a shortcut to switch between Locked and Unlocked modes. Press the brake lever and the lower button simultaneously for one second. In the MaxiColor display, there is a shortcut to switch between locked and unlocked modes. Press the minus (-) button and the on / off switch (o) for one second.
74	74_PASMAGNETS	74. No. of PAS magnets	pcs.	12	36	36	12	36	2-50	Number of magnets in the PAS sensor.
999	n/a	n/a	rpm	0-150	0-150	0-150	0-150	0-150	present cadence	(only for MiniOled display) View the current cadence value (read only). Example: The value of 00050 is 50 crank RPM. With this parameter, we can confirm the correct connection of the PAS pedaling sensor. This parameter can help you determine the minimum and maximum cadence of PAS pedal assist (No. 85-98).
998	n/a	n/a	V*100	70-450	70-450	70-450	70-450	70-450	present thumb throttle voltage input	(only for MiniOled display) Preview of the current voltage at the input of the thumb throttle (read only) Example: the value of 00123 is 123/100, i.e. 1.23V. With this parameter, we can confirm that the thumb throttle is correctly connected to the TIN connectors. Here we can read the correct values to enter in the parameters No. 15 TIN_MIN and 16 TIN_MAX.
997	n/a	n/a	-	0-1023	0-1023	0-1023	0-1023	0-1023	torque sensor ADC	(only for MiniOled display) Preview of the current torque sensor ADC value (for torque sensor calibration and verification)
996	n/a	n/a	kgF (kg*10)	0-600	0-600	0-600	0-600	0-600	Weight on pedal	(only for MiniOled display) Preview of the current weight on pedal (for torque sensor calibration and verification)

0-PRESENT SPEED
1-DISTANCE TO GO
2-BATTERY LEVEL
3-TRIP
4-PRESENT POWER
5-TEMP 1
6-ASSIST LEVEL

7-ODOMETER
8-AVERAGE SPEED
9-MAX. SPEED
10-TIME IN MOTION
11-BATTERY VOLTAGE
12-PRESENT CURRENT
13-MAX. CURRENT

14-MAX. POWER
15-ENERGY CONSUMPTION
16-BATTERY CAPACITY
17-BATTERY USED Ah
18-TEMP 2
19-CHARGE CYCLES NO.
20-BRAKE STATUS

21-C.CONTROL STATUS
22-MPe VERSION
23-LIMIT MODE STATUS
24-BATTERY USED Wh
25-WARNING STATUS
26-CADENCE
27-THROTTLE IN VOLTAGE 28-TORQUE S. ADC 29-WEIGHT ON PEDAL

<<== USER FIELDS OF MAINSCREEN NO. 2
<<== FOR MaxiColor 850C DISPLAY