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////////////////////////////////////////////////////////////////////////////////////////////////////
////////////////////////////////////////////////////////////////////////////////////////////////////
// TSDZ2-Smart-Ebike Data Eeprom Map with default values
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0x004000  MAGIC_BYTE                              170 (0xAA)  // Magic byte (key)
0x004001  ASSIST_LEVEL_FACTOR_X10                 5   (0x05)  // 0.5 = 10%
0x004002  CONFIG_0                                0   (0x00)  // bit0 = lights; bit1 = walk assist; bit2 = offroad mode
0x004003  BATTERY_MAX_CURRENT                     17  (0x11)  // 17 amps
0x004004  MOTOR_MAX_POWER_X10                     25  (0x19)  // 250 watts
0x004005  BATTERY_LOW_VOLTAGE_CUT_OFF_X10_0       34  (0x22)  // Battery low voltage cut-off LSB: 36v battery, LVC = 29.0 (2.9 *
10): (34 + (1 << 8))
0x004006  BATTERY_LOW_VOLTAGE_CUT_OFF_X10_1       1   (0x01)  // Battery low voltage cut-off MSB
0x004007  WHEEL_PERIMETER_0                       35  (0x23)  // Wheel perimeter LSB: 26x2.35 wheel: 2083mm perimeter (35 + (8 << 8))
0x004008  WHEEL_PERIMETER_1                       8   (0x08)  // Wheel perimeter MSB
0x004009  WHEEL_MAX_SPEED                         45  (0x2D)  // 45km/h
0x00400A  CONFIG_1                                1   (0x01)  // bit0-1 motor_type: 0 = 48V, 1 = 36V; bit2: enable motor assistance
start without pedal rotation; bit3: enable temperature limit feature
0x00400B  OFFROAD_CONFIG                          0   (0x00)  // bit0: enable offroad, bit1: enable offroad on startup, bit2:
enable offroad power limit
0x00400C  OFFROAD_SPEED_LIMIT                     25  (0x19)  // 25km/h
0x00400D  OFFROAD_POWER_LIMIT_DIV25               10  (0x0A)  // 10 * 25 = 250W
//------------------------------------------------------------------------------------------------
// The parameters below are used when VLCD6 display is selected:
//------------------------------------------------------------------------------------------------
0x00400E  BATTERY_CELLS_NUMBER                    10  (0x0A)  // 10 cells = 36V
0x00400F  BATTERY_PACK_RESISTANCE_0               196 (0xC4)  // Battery pack resistance LSB 196 milli ohms, battery pack 36V 10S5P
0x004010  BATTERY_PACK_RESISTANCE_1               0   (0x00)  // Battery pack resistance MSB
0x004011  VLCD6_WHEEL_SPEED_FACTOR_0              59  (0x3B)  // Wheel speed factor LSB: VLCD6 wheel speed factor = 315 (59 + (1 <<
8))
0x004012  VLCD6_WHEEL_SPEED_FACTOR_1              1   (0x01)  // Wheel speed factor MSB
0x004013  ASSIST_LEVEL_FACTOR_1                   5   (0x05)  // 0.5 = 10%
0x004014  ASSIST_LEVEL_FACTOR_2                   10  (0x0A)  // 1.0 = 20%
0x004015  ASSIST_LEVEL_FACTOR_3                   20  (0x14)  // 2.0 = 40%
0x004016  ASSIST_LEVEL_FACTOR_4                   30  (0x1E)  // 3.0 = 60%
0x004017  STARTUP_MOTOR_POWER_BOOST_STATE         0   (0x00)  // 0 = enabled on startup when wheel speed is zero, 1 = enable always
when cadence was zero
0x004018  STARTUP_MOTOR_POWER_BOOST_FEATURE_ENABLED 0 (0x00)  // 0 = startup power boost disabled, 1 = startup power boost enabled
0x004019  STARTUP_MOTOR_POWER_BOOST_ASSIST_LEVEL_1 4  (0x04)  // 200W
0x00401A  STARTUP_MOTOR_POWER_BOOST_ASSIST_LEVEL_2 12 (0x0C)  // 621W
0x00401B  STARTUP_MOTOR_POWER_BOOST_ASSIST_LEVEL_3 20 (0x14)  // 1035W
0x00401C  STARTUP_MOTOR_POWER_BOOST_ASSIST_LEVEL_4 28 (0x1C)  // 1450W
0x00401D  STARTUP_MOTOR_POWER_BOOST_TIME          20  (0x14)  // 2.0 seconds, 0 = startup power boost disabled
0x00401E  STARTUP_MOTOR_POWER_BOOST_FADE_TIME     35  (0x23)  // 3.5 seconds
0x00401F  STARTUP_MOTOR_POWER_BOOST_LIMIT_MAX_POWER 1 (0x01)  // 0 = disable boost limit max power, 1 = enable boost limit max power
0x004020  TARGET_MAX_BATTERY_POWER_DIV25          25  (0x19)  // 25 = 625 watts (25 * 25), 0 is disabled
0x004021  TEMPERATURE_LIMIT_FEATURE_ENABLED       1   (0x01)  // 0 = disable temperature limit, 1 = enable temperature limit
0x004022  MOTOR_TEMPERATURE_MIN_VALUE_LIMIT       75  (0x4B)  // 75°C
0x004023  MOTOR_TEMPERATURE_MAX_VALUE_LIMIT       85  (0x55)  // 85°C
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0x004024 WALK_ASSIST_PERCENTAGE_CURRENT            10  (0x0A)  // 10% of max battery current (max = 100%)
0x004025 WALK_ASSIST_PWM_DUTY_CYCLE_LEVEL_0        12  (0x0C)  // 0...255
0x004026 WALK_ASSIST_PWM_DUTY_CYCLE_LEVEL_1        17  (0x11)  // 0...255
0x004027 WALK_ASSIST_PWM_DUTY_CYCLE_LEVEL_2        25  (0x19)  // 0...255
0x004028 WALK_ASSIST_PWM_DUTY_CYCLE_LEVEL_3        33  (0x21)  // 0...255
0x004029 WALK_ASSIST_PWM_DUTY_CYCLE_LEVEL_4        40  (0x28)  // 0...255
0x00402A WALK_ASSIST_MAX_RAMP_TIME                 20  (0x14)  // 2.0 seconds
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