1. This data package is used by the ESC for reporting data in real time, and it reports every 50ms. UART Baud 115200 Bps.
2. If the reported voltage is 58.2V, the data will be 0x02, 0x46.

Byte0: Packet Header - --- 0xDD

Byte1: Protocol No ---- 0x01

Byte2: Data length ----- 0x20

Byte3: Voltage-H

Byte4: Voltage-L (10-1V, data range: 0 – 0x3e8 100V)

Byte5: Current-H

Byte6: Current-L (10-1A, data range: 0 – 0x1388 500A)

Byte7: Throttle-PCT (0x01-1%, data range: 0 – 0x64 100% input)

Byte8: RPM-H

Byte9: RPM-L (0x01-10RPM, data range: 0 – 0xffff )

Byte10: Mos-temp (0x01 – 1℃, data range: 0 –0x96 150℃)

Byte11: Motor-temp (0x01 – 1℃, data range: 0 –0x96 150℃)

Byte12: Throttle-PWM (0x01-1% , data range: 0 – 0x64 100% output)

Byte13: State-H

Byte14: State-L

Byte15: Mah-used H high value of the used/consumed power

Byte16: Mah-used L low value of the used/consumed power

Byte17: UART-TH serial throttle input

Byte18: CAN-TH can throttle

Byte19: BEC voltage (0-25V)

Byte20- Byte29: reserved

Byte30 &31: byte0 – byte29 Sum. accumulate & verify

1. State-L  explanations for statuses

0x01 Short-circuit protection 0x10 Low-voltage protection

0x02 motor wire break 0x20 Temperature protection

0x04 PPM TH loss protection 0x40 Start locked-rotor

0x08 Power on TH is not zero 0x80 Current protection

State-H explanations for statuses

0x01 PPM throttle is not within the regulated range, the PPM throttle is in an abnormal state, and the throttle is not within 700us~2500us.

0x10: the battery voltage is not within the regulated range.

0x02 UART Throttle is not within the regulated range, UART throttle is in an abnormal state, the throttle value exceeds 1000.

0x04 UART throttle loss, UART TH loss

0x08 CAN throttle loss, CAN TH loss