

Station Battery

Station battery related APIs and sample programs to read status.

Example

cpp

```
1  #include "M5Unified.h"
2
3  void setup()
4  {
5      auto cfg = M5.config();
6      M5.begin(cfg);
7      M5.Display.setTextDatum(middle_center);
8      M5.Display.setTextColor(TFT_BLACK);
9      M5.Display.setFont(&font::FreeSansOblique12pt7b);
10     M5.Display.setTextSize(1);
11 }
12
13 void loop()
14 {
15     M5.Display.clear(TFT_WHITE);
16
17     bool isCharging = M5.Power.isCharging();
18     int vol_per = M5.Power.getBatteryLevel();
19     int vol = M5.Power.getBatteryVoltage();
20     int cur = M5.Power.getBatteryCurrent();
21
22     M5.Display.setCursor(0, 30);
23     M5.Display.printf("Charging: %s \n\n", isCharging ? "Yes" : "No");
24     M5.Display.setCursor(0, 60);
25     M5.Display.printf("Bat_level: %d%%", vol_per);
26     M5.Display.setCursor(0, 90);
27     M5.Display.printf("Bat_voltage: %d%V", vol);
28     M5.Display.setCursor(0, 120);
29     M5.Display.printf("Bat_current: %d%mA", cur);
30     delay(2000);
31 }
```

This program displays charging status, battery percentage, voltage, and current on screen, refreshing every 2 seconds.



API

Station power section uses the **Power_Class** from the **M5Unified** library. For more related APIs, refer to the documentation below:

- [M5Unified - Power Class](#)