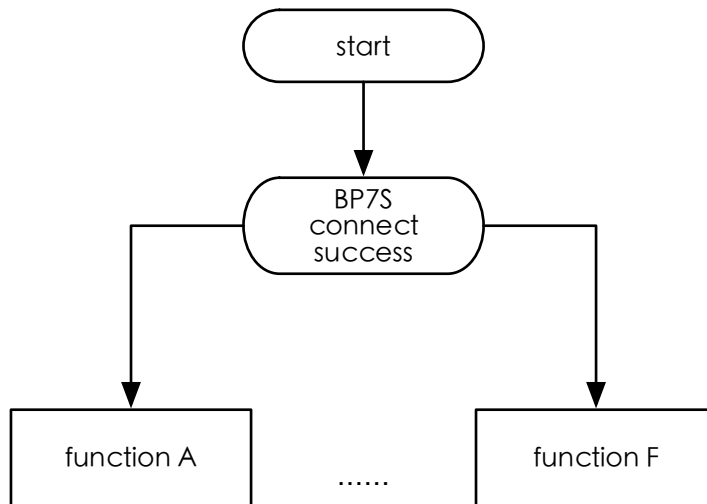# BP7S overall function
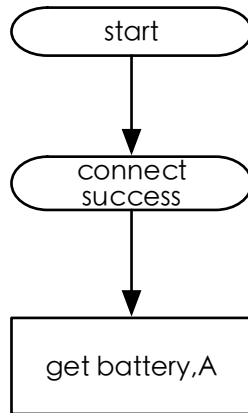
Note: Api calls one after another, that is, when the end of an Api, call the next,
Otherwise it will appear the Api function failure.

```
                    ┌─────────────┐
                    │    start    │
                    └─────────────┘
                           │
                           ▼
                    ┌─────────────┐
            ┌───────│    BP7S      │───────┐
            │       │   connect    │       │
            │       │   success    │       │
            │       └─────────────┘       │
            ▼                             ▼
    ┌───────────────┐             ┌───────────────┐
    │  function A   │   ......    │  function F   │
    └───────────────┘             └───────────────┘
```
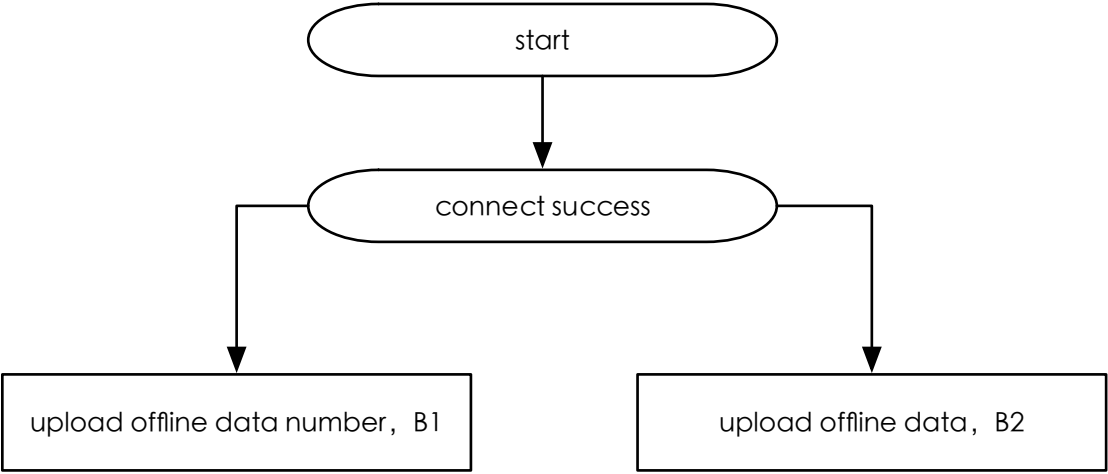
Note： all methods are parallel ,no order.

BP7S Function A –get battery

Note: Api calls one after another, that is, when the end of an Api, call the next, Otherwise it will appear the Api function failure.

```
        ┌──────────────┐
        │    start     │
        └──────────────┘
               │
               ▼
        ┌──────────────┐
        │   connect    │
        │   success    │
        └──────────────┘
               │
               ▼
        ┌──────────────┐
        │ get battery,A │
        └──────────────┘
```

A: getBattery ()

BP7S Function B – upload offline data

```
                    ┌─────────────────────┐
                    │        start        │
                    └──────────┬──────────┘
                               │
                               ▼
              ┌─────────────────────────────────┐
          ┌───┤        connect success          ├───┐
          │   └─────────────────────────────────┘   │
          │                                         │
          ▼                                         ▼
┌──────────────────────────────┐    ┌──────────────────────────────┐
│ upload offline data number，B1 │    │  upload offline data，B2       │
└──────────────────────────────┘    └──────────────────────────────┘
```

B1: getOfflineNum ( )

B2: getOfflineData ( )

BP7S Function C –unit setting

```
   ┌─────────────┐
   │    start    │
   └─────────────┘
          │
          ▼
   ┌─────────────┐
   │   connect   │
   │   success   │
   └─────────────┘
          │
          ▼
   ┌─────────────────┐
   │                 │
   │ unit setting， C │
   │                 │
   └─────────────────┘
```
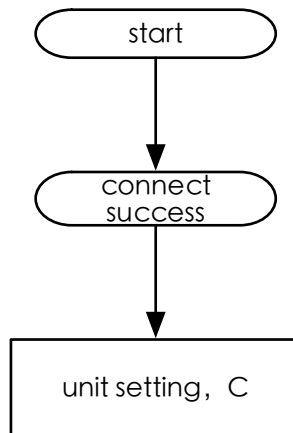
C: setUnit (int unit)

BP7S Function D –angle setting

```
        ┌──────────────┐
        │    start     │
        └──────┬───────┘
               │
               ▼
        ┌──────────────┐
        │   connect    │
        │   success    │
        └──────┬───────┘
               │
               ▼
        ┌──────────────┐
        │              │
        │ set angle,D  │
        │              │
        └──────────────┘
```
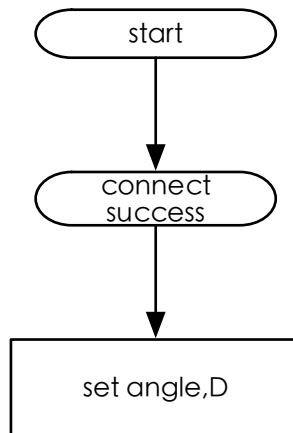
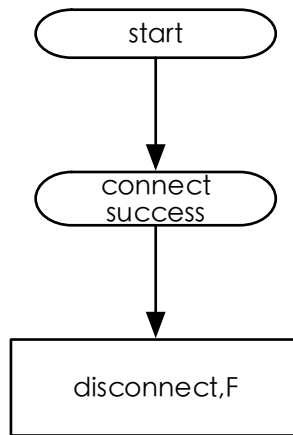D: angleSet (byte leftUpper, byte leftLow, byte rightUpper, byte rightLow)

BP7S Function E –get function information

```
        ┌──────────────┐
        │    start     │
        └──────┬───────┘
               │
               ▼
        ┌──────────────┐
        │   connect    │
        │   success    │
        └──────┬───────┘
               │
               ▼
        ┌──────────────┐
        │ get function │
        │ information,E│
        └──────────────┘
```
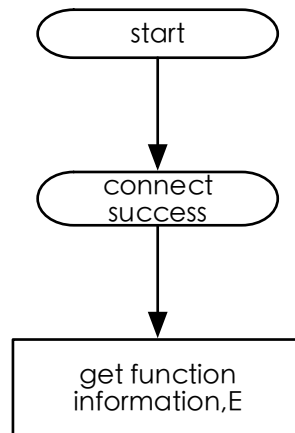
E: getFunctionInfo ()

BP7S Function F –disconnect

start

↓

connect
success

↓

disconnect,F

F: disconnect ()