```c
/*!
 * @file        Ctrl_Prog.c
 * @brief       This file contains all the functions for the Programme Control
 * @version     V1.0
 * @date        2023-11-05
 */
#include "Ctrl_Prog.h"
extern Flag_Check           Flag;
extern uint16_t Point_SW_ACDC;
uint32_t Sum_Bat = 0;
uint32_t Sum_PV = 0;
uint16_t AriM_Bat = 0;
uint16_t AriM_PV = 0;
uint8_t Ctrl_Program(void){
    for(uint16_t j=0; j<=100; j++){
        Sum_Bat += Re_Adc_BAT;
        Sum_PV += Re_Adc_PV;
    }
    AriM_Bat = Sum_Bat/100;
    AriM_PV = Sum_PV/100;
    Sum_Bat = 0;
    Sum_PV = 0;
    if(AriM_PV >= Point_En_PV){    // PV > ~10V
        TMR_Disable(TMR14);
        return 0;
    }
    else if(AriM_Bat >= AC_SW_Volt && Flag.Cov_ACDC == 0){      // using battery power
        Flag.Cov_ACDC = Flag_OFF;
        return 1;
    }
    else{
        Flag.Cov_ACDC = Flag_ON;
        if(Re_Adc_DC > Point_SW_ACDC){            // using DC Power
            return 2;
        }
        else if(AriM_Bat >= Dis_BAT){    // using battery low power
            return 1;
        }}
    return 3;    // Disable battery
}
void StartUp_LED(void){

    for(uint8_t i = 0; i<5; i++){
        LED_ALL_OFF;
        Delay_ms(60);
        LED_ALL_ON;
        Delay_ms(60);
    }
    LED_ALL_OFF;
}
```