

M5Stack Module PPS I2C Protocol																	V0 (FW Version)			
																	2023/12/5			
REG MAP (Addr:0x35)			0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	note	
Power Control Setting	MODULE ENABLE	0x00 W/R					MODULE ENABLE												1: Enable output 0: Disable output	
	PSU VOUT SET ^[1]	0x10 W/R									PSU_VOUT_SET_1	PSU_VOUT_SET_2	PSU_VOUT_SET_3	PSU_VOUT_SET_4	PSU_IOUT_SET_1	PSU_IOUT_SET_2	PSU_IOUT_SET_3	PSU_IOUT_SET_4	Set the output voltage (V) and current (A)	
Power Control Reading	PSU RUNNING MODE ^[2]	0x00 R					PSU RUNNING MODE												0: PSU Disabled 1: PSU CV Mode 2: PSU CC Mode	
	PSU DATA FLAG	0x00 R							PSU DATA FLAG											0~255 After readback data update, this flag will +1
	PSU_VOUT_READBACK PSU_IOUT_READBACK ^[1]	0x00 R									PSU_VOUT_READBACK_K_1	PSU_VOUT_READBACK_K_2	PSU_VOUT_READBACK_K_3	PSU_VOUT_READBACK_K_4	PSU_IOUT_READBACK_K_1	PSU_IOUT_READBACK_K_2	PSU_IOUT_READBACK_K_3	PSU_IOUT_READBACK_K_4	Read actual output values of voltage (V) and current (A)	
	PSU_TEMP_READBACK ^[1]	0x10 R	PSU_TEMP_READBACK_K_1	PSU_TEMP_READBACK_K_2	PSU_TEMP_READBACK_K_3	PSU_TEMP_READBACK_K_4	PSU_VIN_READBACK_1	PSU_VIN_READBACK_2	PSU_VIN_READBACK_3	PSU_VIN_READBACK_4								Read VIN voltage (V) and MCU temperature (°c)		
System	MODULE_ID	0x00 R	MODULE_ID_L	MODULE_ID_H															value = 0x1041	
	PSU UID	0x50 R			PSU_UID_W0_1	PSU_UID_W0_2	PSU_UID_W0_3	PSU_UID_W0_4	PSU_UID_W1_1	PSU_UID_W1_2	PSU_UID_W1_3	PSU_UID_W1_4	PSU_UID_W2_1	PSU_UID_W2_2	PSU_UID_W2_3	PSU_UID_W2_4	STM32 UID(12 bytes) UID = PSU_UID_W0_1 + (PSU_UID_W0_2 << 8) + (PSU_UID_W0_3 << 16) + (PSU_UID_W0_4 << 24) + (PSU_UID_W1_1 << 32) + (PSU_UID_W1_2 << 40) + (PSU_UID_W1_3 << 48) + (PSU_UID_W1_4 << 56) + (PSU_UID_W2_1 << 64) + (PSU_UID_W2_2 << 72) + (PSU_UID_W2_3 << 80) + (PSU_UID_W2_4 << 88)			
	PSU I2C ADDRESS	0x50 W/R															PSU I2C ADDRESS	Address: 1~127		

[1] Setting output and data readback is float data.

[2] PSU CV Mode and PSU CC Mode will automatically after output enabled