

N°	Reference	Qty	Value	Description
1	C1	1	100uF	Electrolytique 25V
2	C2,C5,C8	3	100nF	Céramique
3	C3	1	3.3pF	Céramique
4	C4	1	10uF	Céramique
5	C6	1	470pF	Céramique
6	C7	1	220nF	Céramique
7	D1,D2	2	LED	Vert & Rouge
8	D4,D5	2	SS34/1N5822	40V/3A Schottky Diode, DO-201AD
9	J1,J2	2	Conn_01x02	T-Block
10	L1	1	20uH	Inductor
11	Q1	1	A04459	Bottom-side cooled 650 V E-mode GaN transistor, 7.5A Id, GaN_PX
12	R1,R5	2	20k/1/4W	Resistor
13	R2	1	4.7k	Resistor
14	R3,R4,R7	3	1k/1/4W	Resistor
15	R5_NTC1	1	8,2k/1/4W	Resistor
16	R6	1	10k/1/4W	Resistor
17	R9	1	120R/1/4W	Resistor
18	R10	1	24.7k	Resistor
19	R_CS1	1	100mR/1W	Resistor
20	SW1	1	ON/OFF	Switch
21	TP1	1	INPUT_PV	test point
22	TP2	1	INPUT_PV_GND	test point
23	U1	1	ESP-WROOM-32	pin header 2x19
24	U3	1	ph_sensor	pin header 1x3
25	U4	1	turbidity_sensor	pin header 1x3
26	U5	1	sal_sensor	pin header 1x3
27	U6	1	DS18B20	pin header 1x3
28	U7	1	CN3772	
29	U2	1	LM7805_TO220	Positive 1A 35V Linear Regulator, Fixed Output 5V, TO-220

30	U8	1	AMS1117-3.3	1A Low Dropout regulator, positive, 3.3V fixed output, SOT-223
31	Panneau solaire	1	12V	pin header 1x2
32	Battery	1	LiPo 7,4V	pin header 1x2