

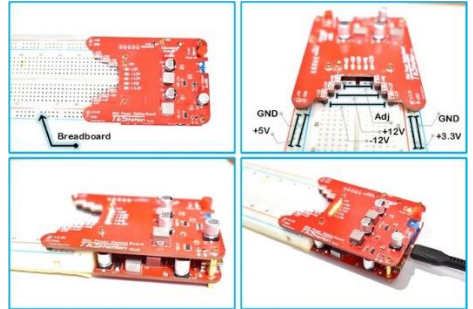
Mini Power Station

Note:

Use the USB Type C power supply to get the full capabilities of the board. Using the standard 5V USB will limit the current output for each port.

Features

- The board accepts various input choices: USB-C (5-20V), Standard USB (5V), Li-ion Battery (3.7V and higher), Lead Acid Battery (6V to 24V)
- It provides multiple outputs at the same time with different polarity as (3.3V, 5V, +12V, -12V and adjustable)
- You can get two adjustable outputs
- It can supply loads with a high current reaching 1.5A
- It provides short circuit protection and overheating protection
- It ensures uniform thermal distribution for less heating and prolonged life
- Wide input range 3.3V-25V from USB charger, Power Banks, Batteries or other power supplies
- Wide output range 1.2V – 25V
- Compatible with breadboard
- It has a separate LED indicator for each output
- More than one input can be connected at the same time without a problem. The priority will be given to the highest input



Technical Details

Input is	Output Current (A)	Output Voltage (V)					
		5V	3.3V	12V	-12V	ADJ: 9V	ADJ: 25V
45W USB Type C Charger	0.1	5	3.32	12.59	-12.45	9	25.18
	0.2	5	3.31	12.57	-12.49	8.99	25.16
	0.3	5	3.3	12.56	-12.5	8.97	25.11
	0.4	4.99	3.29	12.55	-12.51	8.94	25.06
	0.5	4.98	3.28	12.55	-12.54	8.93	25.02
	0.6	4.97	3.27	12.52	-12.57	8.92	24.9
	0.7	4.96	3.26	12.5	-12.61	8.91	
	0.8	4.95	3.25	12.48	-12.65	8.88	
	0.9	4.94	3.24	12.44	-12.69	8.84	
	1	4.93	3.22	12.4	-12.74	8.81	
	1.1	4.92	3.2	12.25		8.76	
	1.2	4.91	3.19	12.1			
	1.3	4.9	3.18				
	1.4	4.89	3.17				
	1.5	4.88	3.16				
10W Standard 5V USB Charger	0.1	5	3.32	12.6	-12.45	9	20.5
	0.2	5	3.3			9	
	0.3	5	3.29				
	0.4	4.99	3.28				
	0.5	4.98	3.27				
	0.6	4.96	3.26				
	0.7	4.95	3.25				
3.7V Li-ion Battery	0.1	5	3.32	10	-	8.88	-
	0.2	5	3.3				
	0.3		3.29				
	0.4						
12V Lead Acid Battery	0.1	5	3.32	12.64	-12.47	9	25
	0.2	5	3.307	12.64	-12.56	9	25
	0.3	4.99	3.295	12.63	-12.62	9	25
	0.4	4.98	3.284	12.62	-12.68	9	24.98
	0.5	4.97	3.272	12.61	-12.74	9	
	0.6	4.96	3.26	12.6	-12.8	9	
	0.7	4.95	3.248	12.59		9	
	0.8	4.94	3.236			9	
	0.9	4.93	3.224			8.95	
	1	4.92	3.213			8.9	
	1.1	4.9	3.2			8.87	
	1.2	4.88	3.189				
	1.3	4.87	3.177				
	1.4	4.86	3.165				
	1.5	4.85	3.153				

 > 10% drop in voltage

