

# Product Specification

**Model: MY-3500W12S**

**Name: 3.5kw 12S Airborne power supply**

**Version: V03**

**Date: 2022-02-09**

## Image and key parameters



	Parameters
Weight	1.15Kg
Measurement	18cm x 4.5cm x 11cm
Power	3500W
Input	400V d.c.
Output voltage	12S d.c.
Output current	70A
Cooling	fans

## Input

	Programme	Specification	Unit	Remark
1	Rated voltage	400Vdc	Vdc	Full load
2	Voltage range	300-410	Vdc	Full load
3	Max. input	≤13	A	Vin=400Vdc
4	No-load input	≤0.1	A	Vin=400Vdc

## Output

	Programme	Specification	Unit	Remark
1	Rated output	50V DC 12S	Vdc	
2		0-72	A	
3		49.7-50.3	Vdc	
4	Voltage accuracy	±1.5	%	
5	Load Regulation	±1.5	%	
6	Output ripple and noise	≤800mV	/	
7	Output power	3500	W	
8	Efficiency	Typical 94	%	Vin=400Vdc , 50% load
9	Output capacitive load	5000	μF	Pure resistance mode
10	Output voltage rise time	≤300	ms	

## Protection features

	Programme	Specification	Unit	Remark
1	Input undervoltage protection	285-295	Vdc	Shut down
2	Output current limit	72-78	A	Constant current, recoverable

3	Overvoltage protection	55-58	Vdc	Constant voltage, recoverable
4	Over temperature protection	120	°C	inside
5	Short circuit protection	Yes, recoverable		
6	Output anti-reverse connection	Terminal protection		

## Connection



### **BAT+ / BAT-:**

Contact this to airborne 12S battery as backup power supply

### **Vo+ / Vo-:**

12S DC output which is connected to UAV

### **Vin+ / Vin-:**

400V DC input from base station

## Measurement

L×W×H=180×110×45mm

