



POWER INVERTER LTD

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WMX-ASD6080 ADJUSTABLE DC POWER SUPPLY/BATTERY CHARGER DATA SHEET

PART 1. PRODUCT INTRODUCTION

- WMX-ASD6080 Adjustable DC power supply / Battery Charger is a high performance dc power supply for industrial applications.
- WMX- ASD6080 Adjustable DC Power Supply / Battery Charger have high accuracy, high precision, high stability and other excellent electronic technology characteristics. It is the best choice for research unit, laboratory as adjustable dc power supply or production line as product life test power supply.
- WMX- ASD6080 Adjustable DC power supply / Battery Charger are designed with a perfect over-voltage, over-temperature protection line, the reliability of the products is higher
- WMX-ASD50010 Adjustable DC power supply / Battery Charger is equipped with voltage regulation and current regulation devices to meet the simple and convenient needs of the operator.

PART 2. PRODUCT FEATURE

1. Small size and light weight, suitable for working table and rack installation.
2. Use PWM modulation, crystal module consumption of low power, high efficiency, more power saving.
3. Carefully designed electronic technology circuit, forced air cooling heat treatment, with a very low temperature coefficient.
4. Low noise and low ripple.
5. High gain amplifier circuit design, with good rapid response characteristics.
6. Voltage and current digital display meter with 4-bit high sampling rate and high resolution.
7. Built-in O.V.P over voltage protection line and O.T.P over temperature protection line, protection function is perfect and reliable.
8. WMX-ASD100100 Adjustable DC power supply designed with load terminal voltage detection terminal, which can accurately read and control the load terminal voltage.

PART 3. MODEL DEFINITION

Model	POWER SUPPLY 60A CHARGER
WMX	DXMGJ 2021
ASD	AC Input Switch to DC Output
XXX	MAX Output Voltage
YYY	MAX Output Current

PART 4. SPECIFICATION	
Brand	POWER IONVERTER LTDA.-
Model	PIW-LTDF <u>60 80</u> 60---Output Voltage ;80---Output Current
Input Voltage	1 Phase: AC220V±10%, 50Hz/60Hz;
Output Voltage/Current Output Power	1~60V, Stabilizer value. 0% to 100% adjustable 8~80A, Constant current value. 10% to 100% adjustable 4800W
Load Regulation	≤0.5%+30mV
Ripple	≤0.5% + 10mVrms
Power supply stability	≤0.3%+10mV
Voltage Current Display Accuracy	Precision of 4 digit table : ±1%+1 word (10%-100% rating)
Voltage Current value display Format	Display format: 0.000 ~ 9999V; 0.00 ~ 99.99V; 0.0 ~ 999.9A;
Output Voltage Overshoot	Build in O.V.P Protection with a rate of + 5%
Operation Temperature Humidity	Operation Temperature : (0~40)°C; Operation Humidity : 10% ~ 85% RH
Storage Temperature Humidity	Storage Temperature : (-20~70)°C; Storage Humidity :10% ~ 90% RH
Over-Temperature Protection	(75~85) C.
Heat Dissipation Mode/ Cooling mode	Forced air cooling
Efficiency	≥83%
Start-up Output voltage setting time	≤3S
Protection	lower voltage, over voltage, over current, short circuit, overheating Protection Noted : if need addition Reverse Connection & Polarity reversal protection should be contact factory customized
Insulation Strength	Input output: AC1500V, 10mA, 1 minutes; Input - machine shell: AC1500V, 10mA, 1 minutes; Output - shell: AC1500V, 10mA, 1 minutes
Insulation Resistance	Input-Output ≥20MΩ; Input-Output ≥20MΩ; Input-Output ≥20MΩ。
MTTF	≥50000h
Remote Control Function (Option)	0-5Vdc /0-10Vdc analog signal control output voltage & current
	0-5Vdc /0-10Vdc analog signal to read-back output voltage & current
	0-5Vdc /0-10Vdc analog Switch signal to control output ON/OFF
	4-20mA analog signal control output voltage & current
	RS232/RS485 Communication port control by computer
Dimension /Net Weight	483*575*135mm 23KG

PART 5. APPLICATION

The adjustable power supply is widely used in industrial control, electronic power, electroplating, communication, scientific research, instrumentation, military, medical, ship, railway and R&D, charge different kind of battery

No.	Application	Detail range
1	DC System	Sewage treatment system
2	Laboratory	Laboratory research and development
3	Charge Battery	All kind of Lead acid battery / lithium battery
4	Motor Fields	Electric Vehicle Motor, Electric Vehicle Controller, DC Motor Test
5	Electrical Appliances	LED Test & Aging, Energy Saving Bulb Test & Aging, Lamp Test, Tungsten Wire Gasification
6	Automotive	Automotive Electronics, High-Power DC Motor, Automotive Motor Controller, Vehicle Lighting, Cigar Lighter
7	Electronic Devices	Capacitors, Resistors, Relays, Transistors, Sensors
8	Electrochemistry	Electrolysis, Electroplating, Nonferrous Metal Research

PART 6. CUSTOMIZED RANGE

Parameter	Detail Specification for option
Input	1 Phase: AC110V \pm 10%, 50Hz/60Hz; 1 Phase: AC220V \pm 10%, 50Hz/60Hz; 3 Phase: AC380V \pm 10%, 50Hz/60Hz;
Output Voltage	1~25000V, Stabilizer value. 0% to 100% adjustable
Output Current	1~20000A, Constant current value. 0% to 100% adjustable
Output Power	150W~100KW
Addition function	0-5Vdc /0-10Vdc analog signal control output voltage & current
	0-5Vdc /0-10Vdc analog signal to read-back output voltage & current
	0-5Vdc /0-10Vdc analog Switch signal to control output ON/OFF
	4-20mA analog signal control output voltage & current
	RS232/RS485 Communication port control by computer
Noted: Factory accept OEM /ODM Customized service for all customer	

PART 7. DIFFERENT SIDE VIEW

5000W—Voltage/ Current Display
Dimension : 483*575*135mm. 19INCH 3U type

