

PPA SERIES

400W / 850W / 1500W



FEATURES

- Auto range output
- High precision and high resolution
- Over load, over voltage, over current, over temperature and reverse polarity protections
- Constant voltage and constant current operations, auto CV and CC switch
- Automatic continuous or dynamic load change
- 1mVrms low ripple & noise
- 4.3-inch backlit Segment LCD display
- High speed rotary dial and keypad input
- Built-in beeper alarm
- Panel lock and output ON/OFF function
- List mode function, 300 sets save & recall for voltage, current and time setups, easy use in auto test
- Remote sense function
- Low resistance measurement function, display load resistance value
- Battery charge mode
- Standard RS-232 interface, support SCPI commands, support Labview
- Standard RS-485 interface, support Modbus-RTU commands
- Optional RS-232 to USB cable
- Optional 3U / 4U rack for cabinet installation

Архангельск (8182)63-90-72

Астана (7172)727-132

Астрахань (8512)99-46-04

Барнаул (3852)73-04-60

Белгород (4722)40-23-64

Брянск (4832)59-03-52

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Иркутск (395)279-98-46

Казань (843)206-01-48

Калининград (4012)72-03-81

Калуга (4842)92-23-67

Кемерово (3842)65-04-62

Киров (8332)68-02-04

Краснодар (861)203-40-90

Красноярск (391)204-63-61

Курск (4712)77-13-04

Липецк (4742)52-20-81

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Москва (495)268-04-70

Мурманск (8152)59-64-93

Набережные Челны (8552)20-53-41

Нижний Новгород (831)429-08-12

Новокузнецк (3843)20-46-81

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Омск (3812)21-46-40

Орел (4862)44-53-42

Оренбург (3532)37-68-04

Пенза (8412)22-31-16

Казахстан (772)734-952-31

Пермь (342)205-81-47

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Смоленск (4812)29-41-54

Сочи (862)225-72-31

Ставрополь (8652)20-65-13

Таджикистан (992)427-82-92-69

Сургут (3462)77-98-35

Тверь (4822)63-31-35

Томск (3822)98-41-53

Тула (4872)74-02-29

Тюмень (3452)66-21-18

Ульяновск (8422)24-23-59

Уфа (347)229-48-12

Хабаровск (4212)92-98-04

Челябинск (351)202-03-61

Череповец (8202)49-02-64

Ярославль (4852)69-52-93

Switching Mode DC Power Supply

PROGRAMMABLE, AUTO RANGE

SPECIFICATIONS

Model	PPA400-80		
Rated output (0°C ~40°C)			
Output voltage	0~80.5V		
Output current	0~20.5A		
Output power	400W		
O.V.P. range	0.1~90V		
O.C.P. range	0.1~22A		
Constant voltage operation			
Line regulation	≤0.01%+2.5mV		
Load regulation	≤0.01%+5mV		
Ripple & Noise (20Hz~20MHz)	≤50mVpp		
Recovery time	≤5ms (50% load change)		
Rise time	≤300ms(empty load); ≤1s(full load)		
Fall time	≤500ms(empty load); ≤300ms (full load)		
Temp. co-efficiency	≤100ppm		
Constant current operation			
Line regulation	≤0.1%+2.5mA		
Load regulation	≤0.1%+5mA		
Ripple & Noise	≤15mArms		
Display			
Voltmeter	5 digits LCD display		
Ammeter	5 digits LCD display		
Setting resolution	1mV/1mA		
Reading resolution	1mV/1mA		
Setting accuracy (25±5°C)	Voltage	±(0.01% reading+10mV)	
	Current	±(0.1% reading+10mA)	
Reading accuracy (25±5°C)	Voltage	±(0.01% reading+5mV)	
	Current	±(0.1% reading+0.1% FS)	
General			
Protection	Over load, over voltage, over current, over temperature and reverse polarity protections		
Panel lock	Provided		
Remote sense function	Maximum compensation voltage 1V		
Battery charge	Lithium battery curve charge		
Interface	RS-232 interface, support SCPI commands, support Labview RS-485 interface, support ModBus Optional RS-232 to USB cable External Trigger terminal		
Memory	300 sets		
Insulation	Between base and output terminal: ≥100MΩ/500VDC		
Operating environment	Indoor use	Altitude: ≤2000m	Ambient temperature: 0~40°C
	Relative humidity: ≤80%	Installation category: II	Pollution degree: 2
Storage environment	-10°C~70°C, ≤70%RH		
Power source	AC176V~264V (full load); AC90~132V (half load), 50/60Hz		
Accessories	Power cord x1, Operation manual x1, RS-232 cable x1, Software CD x1		
Dimension (WxHxD)	215x89x352mm		
Weight	2.5kg		

Switching Mode DC Power Supply

PROGRAMMABLE, AUTO RANGE



SPECIFICATIONS

Model	PPA850-35	PPA850-80	PPA850-150	PPA850-300	PPA850-600			
Rated output (0°C~40°C)								
Output voltage	0~35V	0~85V	0~155V	0~305V	0~605V			
Output current	0~111A	0~40.5A	0~20.5A	0~10.5A	0~5.5A			
Output power	850W	850W	850W	850W	850W			
O.V.P. range	0.1~40V	0.1~90V	0.1~160V	0.1~310V	0.1~610V			
O.C.P. range	0.1~112A	0.1~41.5A	0.1~21.5A	0.1~11.5A	0.1~6.5A			
Constant voltage operation								
Line regulation	≤0.01%+5mV	≤0.01%+10mV	≤0.01%+30mV	≤0.01%+50mV	≤0.01%+50mV			
Load regulation	≤0.01%+5mV	≤0.01%+10mV	≤0.01%+40mV	≤0.01%+100mV	≤0.01%+100mV			
Ripple & Noise (20Hz~20MHz)	≤100mVpp	≤100mVpp	≤150mVpp	≤250mVpp	≤300mVpp			
Recovery time	≤500us (50% load change)							
Rise time	≤300ms (empty load); ≤500ms (full load)		≤300ms (empty load); ≤1s (full load)					
Fall time	≤5s (empty load); ≤150ms (full load)		≤5s (empty load) ≤200ms (full load)	≤5s (empty load) ≤150ms (full load)	≤5s (empty load) ≤200ms (full load)			
Temp. co-efficiency	≤100ppm							
Constant current operation								
Line regulation	≤0.1%+10mA							
Load regulation	≤0.1%+10mA							
Ripple & Noise	≤150mA rms	≤50mA rms	≤30mA rms	≤40mA rms	≤30mA rms			
Display								
Voltmeter	5 digits LCD display							
Ammeter	5 digits LCD display							
Setting resolution	1mV/10mA	1mV/1mA	10mV/1mA	10mV/1mA	10mV/1mA			
Reading resolution	1mV/10mA	1mV/1mA	10mV/1mA	10mV/1mA	10mV/1mA			
Setting accuracy (25±5°C)	Voltage	±(0.01% rdg+10mV)		±(0.03% rdg+100mV)	±(0.03% rdg+200mV)			
	Current	±(0.1% rdg+60mA)	±(0.1% rdg+10mA)					
Reading accuracy (25±5°C)	Voltage	±(0.01% rdg+5mV)		±(0.02% rdg+50mV)	±(0.02% rdg+100mV)			
	Current	±(0.1% rdg+40mA)	±(0.1% rdg+0.1% FS)					
General								
Protection	Over load, over voltage, over current, over temperature and reverse polarity protections							
Panel lock	Provided							
Remote sense function	Maximum compensation voltage 1V							
Battery charge	Lithium battery curve charge							
Interface	RS-232 interface, support SCPI commands, support Labview							
	RS-485 interface, support ModBus							
	Optional RS-232 to USB cable							
	External Trigger terminal							
Memory	300 sets							
Insulation	Between base and output terminal: ≥100MΩ/500VDC							
Operating environment	Indoor use		Altitude: ≤2000m	Ambient temperature: 0~40°C				
	Relative humidity: ≤80%		Installation category: II	Pollution degree: 2				
Storage environment	-10°C~70°C, ≤70%RH							
Power source	AC110V or 220V±10%, 50/60Hz							
Accessories	Power cord x1, Operation manual x1, RS-232 cable x1, Software CD x1							
Dimension (WxHxD)	215x89x507mm							
Weight	7.5kg							

SPECIFICATIONS

Model	PPA1500-35	PPA1500-80	PPA1500-150	PPA1500-300	PPA1500-600					
Rated output (0°C~40°C)										
Output voltage	0~35V	0~85V	0~155V	0~305V	0~605V					
Output current	0~111A	0~40.5A	0~20.5A	0~10.5A	0~5.5A					
Output power	1500W	1500W	1500W	1500W	1500W					
O.V.P. range	0.1~40V	0.1~90V	0.1~160V	0.1~310V	0.1~610V					
O.C.P. range	0.1~112A	0.1~41.5A	0.1~21.5A	0.1~11.5A	0.1~6.5A					
Constant voltage operation										
Line regulation	≤0.01%+5mV	≤0.01%+10mV	≤0.01%+30mV	≤0.01%+50mV	≤0.01%+50mV					
Load regulation	≤0.01%+5mV	≤0.01%+10mV	≤0.01%+40mV	≤0.01%+100mV	≤0.01%+100mV					
Ripple & Noise (20Hz~20MHz)	≤100mVpp	≤100mVpp	≤150mVpp	≤250mVpp	≤300mVpp					
Recovery time	≤500us (50% load change)									
Rise time	≤300ms (empty load); ≤500ms (full load)		≤300ms (empty load); ≤1s (full load)							
Fall time	≤5s (empty load); ≤150ms (full load)		≤5s (empty load) ≤200ms (full load)	≤5s (empty load) ≤150ms (full load)	≤5s (empty load) ≤200ms (full load)					
Temp. co-efficiency	≤100ppm									
Constant current operation										
Line regulation	≤0.1%+10mA									
Load regulation	≤0.1%+10mA									
Ripple & Noise	≤150mA rms	≤50mA rms	≤30mA rms	≤40mA rms	≤30mA rms					
Display										
Voltmeter	5 digits LCD display									
Ammeter	5 digits LCD display									
Setting resolution	1mV/10mA	1mV/1mA	10mV/1mA	10mV/1mA	10mV/1mA					
Reading resolution	1mV/10mA	1mV/1mA	10mV/1mA	10mV/1mA	10mV/1mA					
Setting accuracy (25±5°C)	Voltage	±(0.01% rdg+10mV)	±(0.03% rdg+100mV)	±(0.03% rdg+200mV)						
	Current	±(0.1% rdg+60mA)	±(0.1% rdg+10mA)							
Reading accuracy (25±5°C)	Voltage	±(0.01% rdg+5mV)	±(0.02% rdg+50mV)	±(0.02% rdg+100mV)						
	Current	±(0.1% rdg+40mA)	±(0.1% rdg+0.1% FS)							
General										
Protection	Over load, over voltage, over current, over temperature and reverse polarity protections									
Panel lock	Provided									
Remote sense function	Maximum compensation voltage 1V									
Battery charge	Lithium battery curve charge									
Interface	RS-232 interface, support SCPI commands, support Labview									
	RS-485 interface, support ModBus									
	Optional RS-232 to USB cable									
	External Trigger terminal									
Memory	300 sets									
Insulation	Between base and output terminal: ≥100MΩ/500VDC									
Operating environment	Indoor use		Altitude: ≤2000m	Ambient temperature: 0~40°C						
	Relative humidity: ≤80%		Installation category: II	Pollution degree: 2						
Storage environment	-10°C~70°C, ≤70%RH									
Power source	AC220V±10%, 50/60Hz									
Accessories	Power cord x1, Operation manual x1, RS-232 cable x1, Software CD x1									
Dimension (WxHxD)	215x89x507mm									
Weight	7.5kg									

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