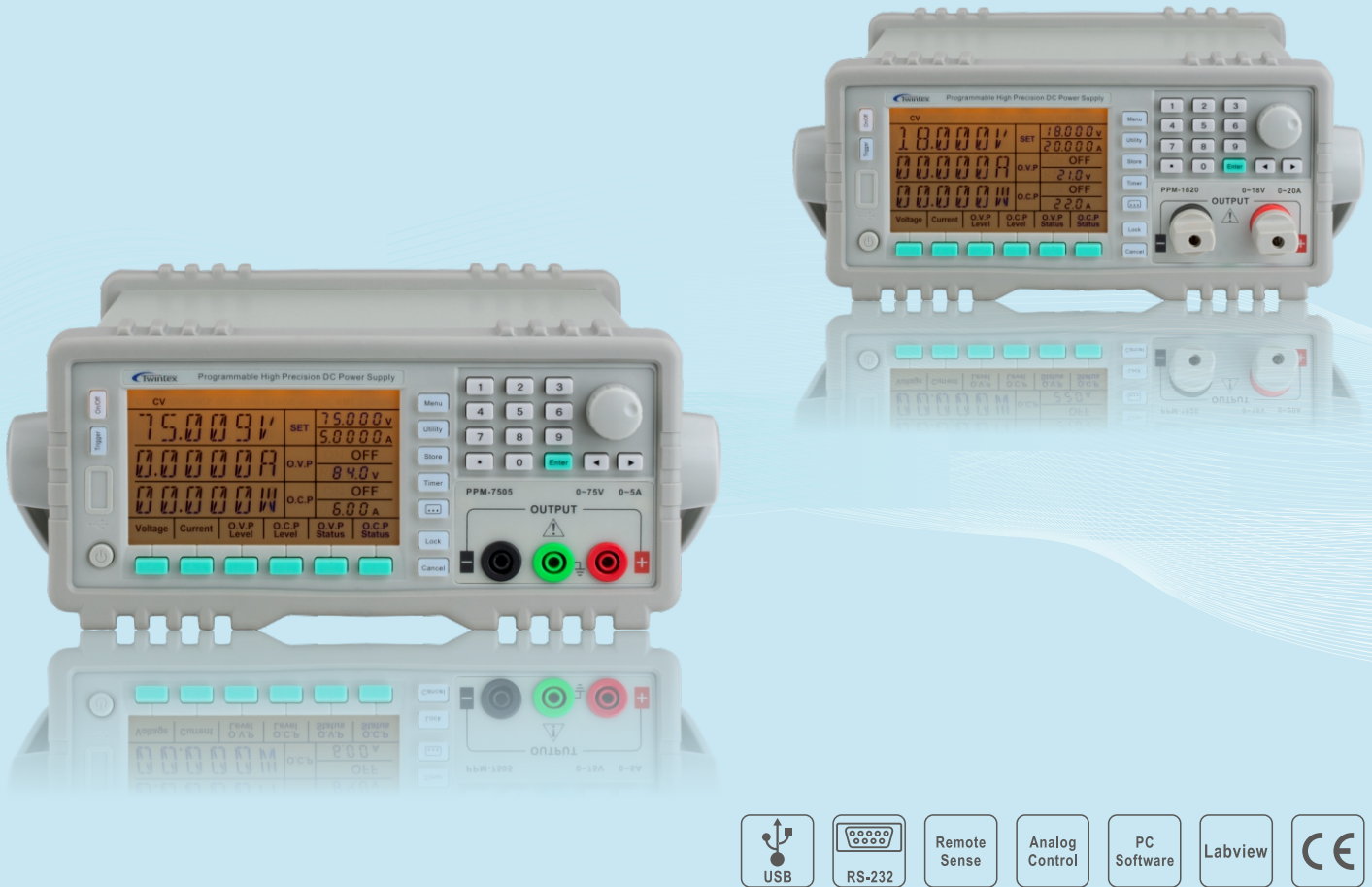


Linear Mode DC Power Supply

PROGRAMMABLE, SINGLE OUTPUT



PPM SERIES



FEATURES

- 0.01% low regulation, high accuracy 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
- Dual range output (only for PPM-3603D, PPM-3605D)
- Remote sense function (except PPM-3H12, PPM-5H07)
- Low resistance measurement function, display load resistance value
- Battery charge mode
- Standard RS-232 interface, support SCPI commands, support Labview
- Optional RS-485 interface, support Modbus
- Optional RS-232 to USB cable
- Optional 0-5V analog control (except PPM-3H12, PPM-5H07)
- Optional 3U / 4U rack for cabinet installation

Linear Mode DC Power Supply

PROGRAMMABLE, SINGLE OUTPUT

SPECIFICATIONS

Model	PPM-3603D		PPM-3605D		PPM-3603	PPM-3605	PPM-6003	PPM-6005
Rated output (0℃~40℃)								
Output voltage	0~40V	0~18V	0~40V	0~18V	0~40V	0~40A	0~64V	0~64V
Output current	0~3.2A	0~6.4A	0~6.4A	0~11A	0~3.2A	0~5.5A	0~3.2A	0~5.5A
O.V.P. range	0.1~42V		0.1~42V		0.1~42V	0.1~42V	0.1~68V	0.1~68V
O.C.P. range	0.1~7A		0.1~12A		0.1~3.6A	0.1~6A	0.1~3.6A	0.1~6A
Constant Voltage Operation								
Line regulation	≤0.01%+3mV							
Load regulation	≤0.01%+3mV (I≤3A); ≤0.02%+5mV (I>3A)							
Ripple & Noise (5Hz~1MHz)	≤1mVrms (I≤3A); ≤2mVrms (I>3A)							
Recovery time	≤100us (50% load change, minimum load 0.5A)							
Constant Current Operation								
Line regulation	≤0.1%+3mA							
Load regulation	≤0.1%+3mA (I≤3A); ≤0.1%+5mA (I>3A)							
Ripple & Noise	≤3mA rms (I≤3A), ≤6mA rms (I>3A)							
Display								
Voltmeter	5 digits LCD display							
Ammeter	5 digits LCD display							
Setting resolution	1mV/0.1mA		1mV/1mA		1mV/0.1mA	1mV/0.1mA	1mV/0.1mA	1mV/0.1mA
Reading resolution	1mV/0.1mA		1mV/1mA		1mV/0.1mA	1mV/0.1mA	1mV/0.1mA	1mV/0.1mA
Setting accuracy (25±5℃)	Voltage	±(0.03% reading+10mV)						
	Current	±(0.1% reading+0.1% FS)						
Reading accuracy (25±5℃)	Voltage	±(0.02% 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 5% FS							
Battery charge	Lithium battery curve charge							
Interface	RS-232 interface, support SCPI commands, support Labview							
	Optional RS-485 interface, support ModBus							
	Optional RS-232 to USB cable							
	Optional 0-5V analog control							
Memory	300 sets							
Insulation	Between base and output terminal: ≥20MΩ/500VDC							
	Between base and AC power cord: ≥30MΩ/500VDC							
Operating environment	Indoor use			Altitude: ≤2000m		Ambient temperature: 0~40℃		
	Relative humidity: ≤80%			Installation category: II		Pollution degree: 2		
Storage environment	-10℃~70℃, ≤70%RH							
Power source	AC110V/220V±10% selectable, 50/60Hz							
Accessories	Power cord x1, Operation manual x1, RS-232 cable x1, Software CD x1							
Dimension (WxHxD)	215x89x352mm							
Weight	5.6kg		6.8kg		5.6kg	6.8kg	6.8kg	7.8kg

Linear Mode DC Power Supply

PROGRAMMABLE, SINGLE OUTPUT



SPECIFICATIONS

Model		PPM-2010	PPM-3010	PPM-7503	PPM-7505	PPM-12001	PPM-12002	PPM-15H15
Rated output (0°C ~40°C)								
Output voltage		0~22V	0~32V	0~80V	0~80V	0~128V	0~128V	0~160V
Output current		0~11A	0~11A	0~3.2A	0~5.5A	0~1.1A	0~2.2A	0~1.6A
O.V.P. range		0.1~24V	0.1~36V	0.1~84V	0.1~84	0.1~134V	0.1~134V	0.1~180V
O.C.P. range		0.1~12A	0.1~12A	0.1~3.6A	0.1~6A	0.1~1.2A	0.1~2.4A	0.1~1.8A
Constant Voltage Operation								
Line regulation		≤0.01%+3mV						
Load regulation		≤0.01%+3mV (I≤3A); ≤0.02%+5mV (I>3A)						
Ripple & Noise (5Hz~1MHz)		≤1mVrms (I≤3A); ≤2mVrms (I>3A); ≤3mVrms (V≥75V)						
Recovery time		≤100us (50% load change, minimum load 0.5A)						
Constant Current Operation								
Line regulation		≤0.1%+3mA						
Load regulation		≤0.1%+3mA (I≤3A); ≤0.1%+5mA (I>3A)						
Ripple & Noise		≤3mArms (I≤3A), ≤6mArms (I>3A)						
Display								
Voltmeter		5 digits LCD display						
Ammeter		5 digits LCD display						
Setting resolution		1mV/1mA	1mV/1mA	2mV/0.1mA	2mV/0.1mA	10mV/0.1mA	10mV/0.1mA	10mV/0.1mA
Reading resolution		1mV/1mA	1mV/1mA	1mV/0.1mA	1mV/0.1mA	10mV/0.1mA	10mV/0.1mA	10mV/0.1mA
Setting accuracy (25±5°C)	Voltage	±(0.03% reading+10mV)						
	Current	±(0.1% reading+0.1% FS)						
Reading accuracy (25±5°C)	Voltage	±(0.02% 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 5% FS						
Battery charge		Lithium battery curve charge						
Interface		RS-232 interface, support SCPI commands, support Labview						
		Optional RS-485 interface, support ModBus						
		Optional RS-232 to USB cable						
		Optional 0-5V analog control						
Memory		300 sets						
Insulation		Between base and output terminal: ≥20MΩ/500VDC						
		Between base and AC power cord: ≥30MΩ/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/220V±10% selectable, 50/60Hz						
Accessories		Power cord x1, Operation manual x1, RS-232 cable x1, Software CD x1						
Dimension (WxHxD)		215x89x352mm						
Weight		7.5kg	8.5kg	7.5kg	8.5kg	6.8kg	7.5kg	6.8kg

Linear Mode DC Power Supply

PROGRAMMABLE, SINGLE OUTPUT

SPECIFICATIONS

Model	PPM-1820		PPM-12003	PPM-3H12	PPM-5H07	
Rated output (0℃~40℃)						
Output voltage	0~19V		0~128V	0~330V	0~500V	
Output current	0~21A		0~3.2A	0~1.2A	0~0.7A	
O.V.P. range	0.1~21V		0.1~134V	0.1~360V	0.1~550V	
O.C.P. range	0.1~22A		0.1~3.6A	0.01~1.32A	0.01~0.8A	
Constant Voltage Operation						
Line regulation	≤0.01%+3mV					
Load regulation	≤0.01%+3mV (I≤3A); ≤0.02%+5mV (I>3A)					
Ripple & Noise (5Hz~1MHz)	≤1mVrms	≤2.5mVrms	≤10mVrms	≤10mVrms		
Recovery time	≤100us (50% load change, minimum load 0.5A)					
Constant Current Operation						
Line regulation	≤0.1%+3mA					
Load regulation	≤0.05%+3mA (I≤3A); ≤0.05%+5mA (I>3A)					
Ripple & Noise	≤5mAms	≤1mAms	≤1mAms	≤1mAms		
Display						
Voltmeter		5 digits LCD display				
Ammeter		5 digits LCD display				
Setting resolution		1mV/1mA	10mV/0.11mA	10mV/0.1mA	10mV/0.1mA	
Reading resolution		1mV/1mA	10mV/0.11mA	10mV/0.1mA	10mV/0.1mA	
Setting accuracy (25±5℃)	Voltage	±(0.03% reading+10mV)		±(0.03% reading+30mV)		
	Current	±(0.1% reading+0.1% FS)				
Reading accuracy (25±5℃)	Voltage	±(0.02% reading+5mV)		±(0.02% reading+30mV)		
	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 5% FS		X	X	
Battery charge		Lithium battery curve charge				
Interface		RS-232 interface, support SCPI commands, support Labview				
		Optional RS-485 interface, support ModBus				
		Optional RS-232 to USB cable				
		Optional 0-5V analog control		X	X	
Memory		100 sets				
Insulation		Between base and output terminal: ≥20MΩ/500VDC				
		Between base and AC power cord: ≥30MΩ/500VDC				
Operating environment		Indoor use		Altitude: ≤2000m		Ambient temperature: 0~40℃
		Relative humidity: ≤80%		Installation category: II		Pollution degree: 2
Storage environment		-10℃~70℃, ≤70%RH				
Power source		AC110V/220V±10% selectable, 50/60Hz				
Accessories		Power cord x1, Operation manual x1, RS-232 cable x1, Software CD x1				
Dimension (WxHxD)		215x89x412mm				
Weight		10.2kg	10.2kg	10.2kg	10.2kg	