

Programmable Power Supply



ET37 Series Programmable Power Supply

Linear DC power supply is wildly used in R&D testing and design verification, due to its features such as highly stable output voltage and low noise. ET37 series programmable linear DC power supplies are equipped with a 4.3" TFT color screen, with a straight-forward and simple interface, rich content and easy operation. It enjoys advantages such as stable output, low noise, high definition, high precision, etc. There are 4 output modes, providing a wide output range.

Product features:

User-friendly design

4.3" TFT LCD screen;

Wave-form display supported, real-time display of curves of output voltage and current changes;

Simple operating system, and straight-forward interface, for easy mastering;

Efficient output:

Independently adjustable output; 1-channel (ET372X)/2-channel (ET372X), adjustable output 30V/3A, 1-channel fixed output with adjustable 2.5V/3.3V/5V positions; a maximum total output power up to 195 W;

Four output modes: independent/dual output/series/parallel connection, providing wider output range, with a maximum output voltage up to 60V, and a maximum output voltage up to 6A;

High precision and high definition;

Low output ripple and noise;

Excellent load regulation and linear regulation;

Timed output function supported, up to 112 groups;

Save and Recall function, up to 10 sets of parameter configuration;

USB device interface provided, supporting SCPI remote command control;

Multiple safety protections:

Over-voltage/over-current protection functions, flexible setting of over-voltage and over-current parameters, effective protection of loads;

Secondary over-temperature protection, for double over-temperature protection by software and hardware;

Smart fan speed control, regulating fan speed according to working condition, which effectively reduce fan noise;

Protection for output polarity reversal

Keyboard lock, to prevent misoperation.

Main technical indexes

Model		ET3721	ET3722	ET3731	ET3732	
		ET3728	ET3729	ET3738	ET3739	
Maximum power		105W(ET3721、3722)		195W(ET3721、3722)		
		155W(ET3728、3729) 305W(ET3728、3729)				
Channel number		2		3		
Voltage/surrent		(CH1 variable, CH2 fixed)		(CH1, CH2 variable, CH3 fixed)		
	Voltage/current	The state of the s		PARTIES PRESENTATION CONTRACTOR	H1、CH2: 0~30V, 0~3A(ET3721、3722)	
	(Rated value)	CH1: 0~30V, 0~5A (ET3728、3729) CH1、CH2: 0~30V,0~5A(ET3728、3		U~5A(E13/28、3/29)		
	Over-voltage/over-	CH1: 10mV~33V , 10mA~3.3A		221/ 10m / 22/		
	current protection (maximum settable	CH1: 10mV~33V,10mA~5.5A		CH1、CH2: 10mV~33V , 10mA~5.5A		
		CH1: 10HIV~33V,10HIA~3.3A				
	range)	Current output 0~3A(ET3721、3722、3731、3732), Or 0~1A (ET3728、3729、				
DC output		3738、3739);				
(0°C-40°C)		Output precision: < 5%; Load regulation: ≤ 15*minimum scale interval;				
(0 0 10 0)						
	2.5V/3.3V/5V	Linear regulation: ≤15 minimum scale interval;				
	Fixed output	Ripple and noise (20Hz~7MHz): ≤2mVrms;				
		Overload: 3A(ET3721、3722、3731、3732), or 0~1A (ET3728、3729、3738、				
		3739); (Parameters of the fixed position are all listed. The parameters below apply to the				
		variable positions of the voltage.)				
Linear regulation ra	ate (±output percenta	ge + quantity of mi	nimum scale interva	al(s))		
Voltage		≤0.01%+2	≤0.005%+2	≤0.01%+2	≤0.005%+2	
Current		≤0.01%+3	≤0.005%+3	≤0.01%+3	≤0.005%+3	
Load regulation rat	e (±output percentag	e + quantity of min	mum scale interval	(s))		
Voltage		≤0.01%+2	≤0.006%+2	≤0.01%+2	≤0.006%+2	
Current		≤0.05%+3	≤0.01%+3	≤0.05%+3	≤0.01%+3	
Tracking operation	(±output percentage	+ quantity of minir	num scale interval(s	NA.		
1000 1000						
V-02/01/07/05	ng error		<u>/</u>	≤0.5%+10 of	CONTRACTOR OF THE STATE OF THE	
Parallel regulation	Linear		/ /	≤0.0	1%+5	
Parallel regulation rate	Linear Load		/ /	≤0.0 ≤0.0	1%+5 1%+5	
Parallel regulation rate Series regulation	Linear Load Linear		/ / /	≤0.0 ≤0.0 ≤0.01	1%+5 1%+5 l%+10	
Parallel regulation rate Series regulation rate	Linear Load Linear Load		/ / / /	≤0.0 ≤0.0 ≤0.01	1%+5 1%+5	
Parallel regulation rate Series regulation rate Ripple and noise (20	Linear Load Linear Load DHz~-7MHz)	<1mVrms	/ / / / / <600uVrms	≤0.0 ≤0.0 ≤0.03 ≤0.02	1%+5 1%+5 1%+10 2%+10	
Parallel regulation rate Series regulation rate Ripple and noise (20	Linear Load Linear Load DHz~-7MHz)	≤1mVrms ≤1.5mArms	/ / / / / / / / / ≤600µVrms ≤1mArms	≤0.0 ≤0.0 ≤0.02 ≤1mVrms	1%+5 1%+5 1%+10 2%+10 ≤600μVrms	
Parallel regulation rate Series regulation rate Ripple and noise (20 Vo	Linear Load Linear Load DHz~-7MHz) Iltage rrent	≤1.5mArms	/ / / / / ≤600μVrms ≤1mArms	≤0.0 ≤0.0 ≤0.03 ≤0.02	1%+5 1%+5 1%+10 2%+10	
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Parallel regulation rate Series regulation rate Ripple and noise (20 Vo Cu Programming/back	Linear Load Linear Load DHz~-7MHz) Iltage rrent ward reading resoluti	≤1.5mArms on 1mV 1mA	≤1mArms 1mV 1mA	≤0.0 ≤0.01 ≤0.02 ≤1mVrms ≤1.5mArms 1mV 1mA	1%+5 1%+5 1%+10 2%+10 ≤600μVrms ≤1mArms	
Parallel regulation rate Series regulation rate Ripple and noise (20 Vo Cu Programming/back Vo Cu	Linear Load Linear Load DHz~-7MHz) Iltage Irrent Eward reading resolutions Iltage Irrent Eward reading accuracy	≤1.5mArms on 1mV 1mA y (±output percent	≤1mArms 1mV 1mA age + quantity of m	≤0.0 ≤0.01 ≤0.02 ≤1mVrms ≤1.5mArms 1mV 1mA inimum scale interv	1%+5 1%+5 .%+10 2%+10 ≤600μVrms ≤1mArms 1mV 1mA	
Parallel regulation rate Series regulation rate Ripple and noise (20	Linear Load Linear Load DHz~-7MHz) Iltage Interest exact reading resolutions are selected as a selec	≤1.5mArms on 1mV 1mA y (±output percent 0.03%+10	≤1mArms 1mV 1mA age + quantity of m 0.02%+5	≤0.0 ≤0.01 ≤0.02 ≤1mVrms ≤1.5mArms 1mV 1mA ninimum scale interv 0.03%+10	1%+5 1%+5 .%+10 2%+10 ≤600μVrms ≤1mArms 1mV 1mA al(s)) 0.02%+5	
Parallel regulation rate Series regulation rate Ripple and noise (20 Vo Cu Programming/back Vo Cu Programming/back Programming Backward reading	Linear Load Linear Load DHz~-7MHz) Iltage Interest Example Teading resolution of the second of the s	≤1.5mArms on 1mV 1mA y (±output percent 0.03%+10 0.3%+10	≤1mArms 1mV 1mA age + quantity of m 0.02%+5 0.3%+5	≤0.0 ≤0.01 ≤0.02 ≤1mVrms ≤1.5mArms 1mV 1mA 1inimum scale interv 0.03%+10 0.3%+10	1%+5 1%+5 1%+5 1%+10 2%+10 ≤600µVrms ≤1mArms 1mV 1mA al(s)) 0.02%+5 0.3%+5	
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Parallel regulation rate Series regulation rate Ripple and noise (2) Vo Cu Programming/back Vo Cu Programming/back Programming Backward reading Load transient resp It takes less than 50	Linear Load Linear Load DHz ~-7MHz) Iltage Interest Load DHz ~-7MHz) Iltage Interest Load DHz ~-7MHz) Iltage Interest Load Linear Load Linear Load Linear Load Linear Load Linear Linear Load Linear Load Linear Lin	≤1.5mArms on 1mV 1mA y (±output percent 0.03%+10 0.3%+10 0.3%+10 0.3%+10 ent to change from output voltage to	≤1mArms 1mV 1mA age + quantity of m 0.02%+5 0.3%+5 0.03% +5 0.2% +5 full load to half load recover to 15mV.	≤0.0 ≤0.01 ≤0.02 ≤1mVrms ≤1.5mArms 1mV 1mA 1inimum scale interv 0.03%+10 0.3%+10 0.3%+10 0.3%+10	1%+5 1%+5 1%+5 .%+10 2%+10 ≤600μVrms ≤1mArms 1mV 1mA al(s)) 0.02%+5 0.3%+5 0.03%+5 0.2%+5	
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General technical specifications

Power voltage: 100Vac+10%, 115Vac+10%, 230Vac+10% (up to 250VAC), 50-60Hz

Display: 4.3" TFT LCD, with a resolution of 480x272, and 16 M colors

Operating temperature: 0°C-40°C Storage temperature: -10°C-70°C

Relative humidity: <80% Interface: USB DEVICE

Sizes: 230mm x 380mm x 150mm (WxDxH)

Weight: 11kg

Standard accessories:

Three-core power cord: 1

Optical disc: 1 USB cable: 1 User Manual: 1