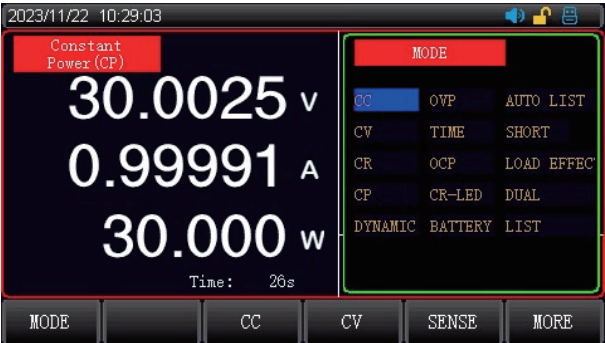


UTL8500+ Series NEW

Programmable DC Electronic Loads



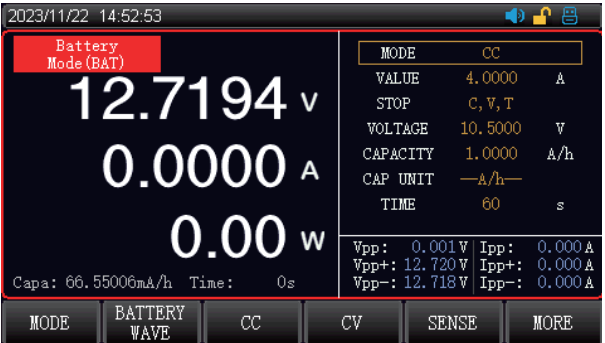
UTL8500+ series DC electronic load is a new generation of intelligent large-screen and cost-effective electronic load. Up to 500KHz synchronous sampling, high-performance DSP processing. The fast, efficient and intuitive LIST programmable automatic test mode meets most R&D and testing needs.



- 15 test modes are available to arrange your tests freely

LIST NAME	No.	MODE	VALUE	TIMING	EXAMI	LOWER LIMIT	UPPER LIMIT
	1	CC	0.100	500	Curr	0.095	0.105
MODE	2	CC	0.500	500	Curr	0.495	0.505
CONTINUOUS	3	CP	60.000	1000	POWER	59.000	60.000
STEP	4	CR	100.000	1000	Curr	0.110	0.130
10	5	CC	1.000	1000	Volt	11.000	12.000
REPEAT	6	SHORT	6.000	1000	Curr	5.900	6.100
1	7	OPEN	0.000	500	Volt	11.000	12.000
V ON	8	CV	8.000	500	Volt	7.900	8.100
0.00V							

- Freely edit test items in List mode to help you implement automated measurement



- Various parameters of the battery mode are adjustable, and the battery discharge curve is provided. Help you complete battery testing excellently

SYSTEM CONFIG			
LANGUAGE	ENGLISH	MEASURE RATE	HIGH
DATE SETTING	2023 / 11 / 22	COM BUS	RS232
TIME SETTING	10 : 16 : 09	COM MODE	SCPI
KEY BEEP	OFF	BRIGHTNESS	100%
WARNING BEEP	ON	ADDR	1
REAL RECORDING	ON	BPS	9600
KNOB ACTIVE	ON	FACTORY SET	RESET

- 4.3inch LCD display, clear parameter and status display

Key Specifications		UTL8511+		UTL8512+	
Input ratings 0-40° C	Input voltage	0-15V	0-150V	0-15V	0-150V
	Input current	0-3A	0-30A	0-3A	0-30A
	Input power	150W		300W	
	Min. operating voltage	1.4V±0.1V at 30V			
CV mode	Range	0.1-15V	0.1-150V	0.1-15V	0.1-150V
	Resolution	0.1mV	1mV	0.1mV	1mV
	Accuracy	±(0.03%+0.05%FS)		±(0.03%+0.05%FS)	
CC mode	Range	0-3A	0-30A	0-3A	0-30A
	Resolution	0.01mA	0.1mA	0.01mA	0.1mA
	Accuracy	±(0.03+0.05%FS)		±(0.03+0.05%FS)	
CR mode	Range	0.05Ω-10kΩ		0.05Ω-10kΩ	
	Resolution	16bit		16bit	
	Accuracy	(0.1+0.01R)%		(0.1+0.01R)%	
CP mode	Range	150W		300W	
	Resolution	10mW		10mW	
	Accuracy	±(0.1%+0.1%FS)		±(0.1%+0.1%FS)	
Dynamic mode (CC mode)	T1&T2	10μS-50S/Res:1μS		10μS-50S/Res:1μS	
	Accuracy	1μS/1mS±100ppm		1μS/1mS±100ppm	
	Rise/fall slope	0.0006A/μS-3A/μS		0.0006A/μS-3A/μS	
	Min rise time	10us		10us	
Readback voltage	Range	0-15V	0-150V	0-15V	0-150V
	Resolution	0.01mV	0.1mV	0.01mV	0.1mV
	Accuracy	±(0.02%+0.03%FS)		±(0.02%+0.03%FS)	
Readback current	Range	0-3A	0-30A	0-3A	0-30A
	Resolution	0.01mA	0.1mA	0.01mA	0.1mA
	Accuracy	±(0.03%+0.05%FS)		±(0.03%+0.05%FS)	
Readback power	Range	150W		300W	
	Resolution	10mW		10mW	
	Accuracy	±(0.1%+0.1%FS)		±(0.1%+0.1%FS)	
Over-power protection		≥152W delayed protection, ≥165W immediate protection		≥303W delayed protection, ≥330W immediate protection	
Over-current protection		≥30.3A delay protection, ≥33A immediate protection		≥30.3A delay protection, ≥33A immediate protection	
Over-voltage protection		≥152V delay protection, ≥165V immediate protection		≥152V delay protection, ≥165V immediate protection	
Over-temperature protection		≥85° C		≥85° C	
Short circuit	Current (CC)	≤3A	≤30A	≤3A	≤30A
	Voltage (CV)	0V	0V	0V	0V
	Resistance (CR)	60mΩ	60mΩ	50mΩ	50mΩ

Key Specifications	UTL8511+	UTL8512+
Ripple display	yes	yes
Waveform record	no	no
Test mode	15 test modes: CC, CV, CR, CP, dynamic, OVP, time, OCP, CR-LED, battery, automatic list, short circuit, load effect, combination, list	15 test modes: CC, CV, CR, CP, dynamic, OVP, time, OCP, CR-LED, battery, automatic list, short circuit, load effect, combination, list
Input terminal resistance	300KΩ	300KΩ
Interface&protocol	RS232 interface and SCPI protocol	RS232 interface and SCPI protocol

General Characteristics		
Power	110V/220V, 50/60Hz	
Display	4.3 inch LCD	
Product size (W×H×D)	215mm x 88mm x 372mm	
Product net weight	3.73kg	4.49kg
Standard quantity per carton	1pcs	
Standard carton size	515mmX365mmX220mm	

Ordering Information	
UTL8500+ Series	UTL8511+: Programmable DC Electronic Load (150V, 30A,150W)
	UTL8512+: Programmable DC Electronic Load (150V, 30A,300W)
Standard Accessories	Power cord conforming to the standard of the destination country
	RS232 data cable
	2P connecting terminal
	5P connecting terminal
	Fuse

