

UTL8500 Series

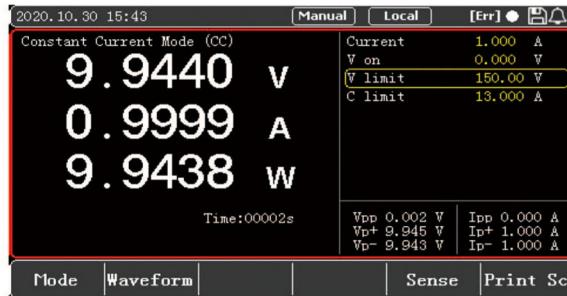
Programmable DC Electronic Loads



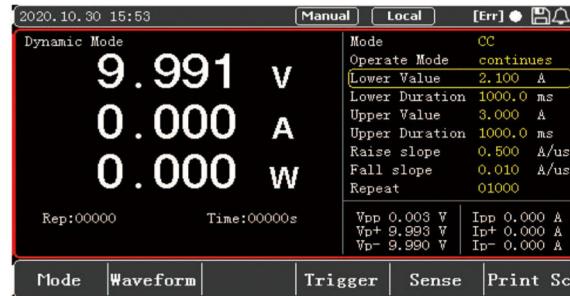
● UTL8513

The UTL8500 Series is a cost-effective programmable DC electronic load series with high performance. With a resolution of 0.1mV and 0.1mA, multiple protection mechanisms significantly improve the reliability of the equipment. The Series has a variety of testing functions and modes, equipped with RS-232 communication interface, and can be equipped with other communication interfaces according to design and testing requirements. The Series provides a flexible, fast and effective solution. Meet different customers' needs from Education, Scientific Research and Manufacturing.

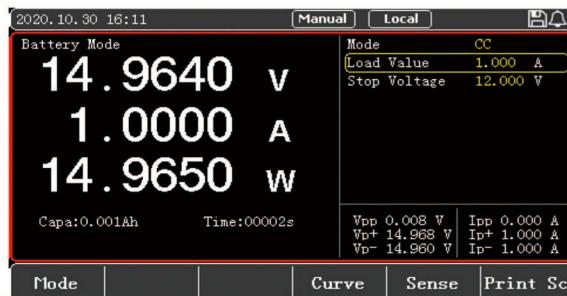
- High resolution: 0.1mV/0.1mA
- 4 basic modes: CC/CV/CR/CP
- Measuring range: voltage of 0~150V/500V, current of 0~15A/30A-40A/120A, power of 150W-600W
- Dynamic test, overload test, auto test, list test, battery test, CR-LED test
- Protections of over-voltage/under-voltage/over-current/over-power/overheat/anti-reverse connection
- List function and over-voltage protection
- Screenshot function with list storage & recall
- Equipped with standard RS-232 interface and support more extension interfaces



- 4 basic modes: CC/CV/CR/CP and high resolution of 0.1mV/0.1mA



- Dynamic mode test



- Battery test function



- Short circuit test

Technical Specifications		UTL8511	UTL8512	UTL8512B+		UTL8513	
Input ratings (0~40°C)	Input voltage	0~150V	0~150V	0~500V		0~150V	
	Input current	0~3A,0~30A	0~3A,0~30A	0~1.5A	0~15A	0~12A	0~120A
	Input current	0~3A,0~30A					
	Input power	150W	300W	300W		600W	
	Min. operating voltage	1.4V at 30A	1.4V at 30A	3V at 15A		2.8V at 120A	
CV mode	Range	0~18V,0~150V		0~50V	0~500V	0~18V	0~150V
	Accuracy	±(0.05%+0.025%FS)					
CC mode	Range	0~3A,0~30A		0~1.5A	0~15A	0~12A	0~120A
	Accuracy	±(0.05%+0.05%FS)					
CR mode	Range	0.05Ω~7.5KΩ		0.1Ω~25KΩ		0.05Ω~7.5KΩ	
	Accuracy	0.1%+0.08S					
CP mode	Range	150W	300W	300W		600W	
	Accuracy	±(0.1%+0.1%FS)					
Dynamic mode (CC mode)	T1&T2	50μs~99.999S/Res: 1μs					
	Accuracy	5μs±100ppm					
	Rise/fall slope	0.001~3.0A/μs		0.001~1.5A/μs			
	Min rise time	≥10μs					
Readback voltage	Range	0~18V, 0~150V		0~50V	0~500V	0~18V	0~150V
	Accuracy	±(0.025%+0.025%FS)					
Readback current	Range	0~3A,0~30A		0~3A	0~15A	0~12A	0~120A
	Accuracy	0.025%+0.05%FS		0.01mA,0.1mA			
Readback power	Range	150W	300W	300W		600W	
	Accuracy	±(0.1%+0.1%FS)					
Over-power protection		Delay protection when it is ≥ set value x 1.05					
		Instant protection when it is ≥ set value x 1.1					
		Instant protection when it is >(FS+15W)					
Over-current protection		Delay protection when it is ≥ set value x 1.05					
		Instant protection when it is ≥ set value x 1.1					
		Instant protection when it is >(FS+1.5A)					
Over-voltage protection		Delay protection when it is ≥ set value x 1.05					
		Instant protection when it is ≥ set value x 1.1					
		Instant protection when it is >(FS+3V)					
Over-temperature protection		≥85°C					
Short circuit	Current (CC)	≤3A, ≤30A		≤1.5A	≤15A	≤12A	≤120A
	Voltage (CV)	0V					
	Resistance	35mΩ					
Input terminal resistance		300KΩ		1MΩ	300KΩ		
Power		110V/220V, 50/60Hz					
Display		4.3 inches LCD					
Product net weight		UTL8511/UTL8512/UTL8512B+: 5.3kg; UTL8513: 7.6kg					
Product size (W×H×D)		UTL8511/UTL8512/UTL8512B+: 214mm x 88mm x 340mm; UTL8513: 214mm x 88mm x 520mm					
Standard quantity per carton		2pcs					
Standard carton size		UTL8511/UTL8512/UTL8512B+: 410mm x 310mm x 490mm; UTL8513: 410mm x 310mm x 570mm					
Standard carton gross weight		UTL8511/UTL8512/UTL8512B+: 11.6kg; UTL8513: 16.2kg					

Ordering Information

UTL8500 Series	UTL8513: Programmable DC Electronic Load (150V, 120A, 600W)
	UTL8512B+: Programmable DC Electronic Load (500V, 15A, 300W)
	UTL8512: Programmable DC Electronic Load (150V, 30A, 300W)
	UTL8511: Programmable DC Electronic Load (150V, 30A, 150W)
Standard Accessories	Power cord conforming to the standard of the destination country
	240V, 0.25A fuse (only for 110V input voltage)
	Factory qualified report (Suitable for UTL8512B+ and UTL8513)

Para mayor información puede consultar el manual de usuario dando clic en el siguiente enlace:

<http://unitrend.oss-cn-hongkong.aliyuncs.com/upload/file/20210530/UTL8500%20Series%20Manual.pdf>