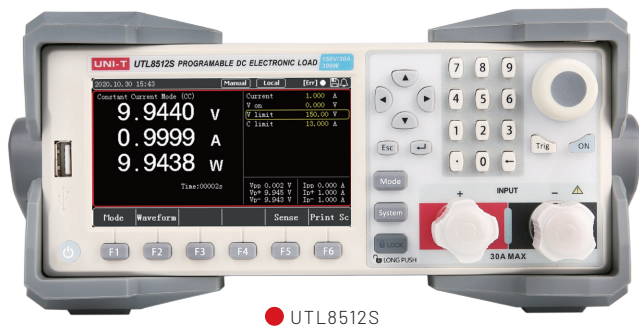


Selection Guide

Series	Model	Total Power	Voltage	Current	Highest Frequency	Current Slope	Resolution
UTL8500	UTL8512S	300W	150V	30A	10kHz	3A/μs	0.1mV 0.1mA
	UTL8511S	150W	150V	30A	10kHz	3A/μs	0.1mV 0.1mA
	UTL8513	600W	150V	120A	10kHz	1.5A/μs	0.1mV 0.1mA
	UTL8512	300W	150V	30A	10kHz	3A/μs	0.1mV 0.1mA
	UTL8511	150W	150V	30A	10kHz	3A/μs	0.1mV 0.1mA
	UTL8512B+	300W	500V	15A	10kHz	1.5A/μs	0.1mV 0.1mA
UTL8200	UTL8212	200W×2CH	150V	40A	10kHz	0.15A/μs	1mV 1mA
	UTL8211	400W	150V	20A	10kHz	0.15A/μs	1mV 1mA

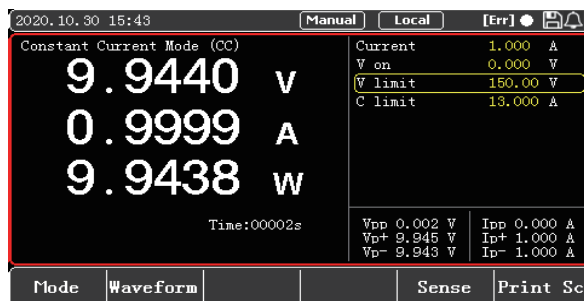
UTL8500 Series Programmable DC Electronic Loads



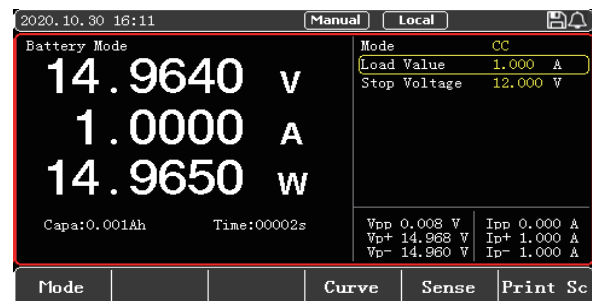
● UTL8512S

The UTL8500 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.

UTL8500 series provides a flexible, fast and effective solution. Meet different customer's needs from Education, Scientific Research and Manufacturing.



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



- Battery test function

Technical Specifications		UTL8211	UTL8212
Number of channel		1	2
Input ratings (0~40°C)	Voltage	0~150V	0~150V
	Current	0~4A, 0~40A	0~2A, 0~20A
	Power	400W	2×200W
CV mode	Range	0~18V, 0~150V	
	Accuracy	±(0.05%+0.1% FS)	
CC mode	Range	0~4A, 0~40A	0~2A, 0~20A
	Accuracy	±(0.05% + 0.05%FS)	
CR mode	Range	0.05Ω~7.5KΩ	
	Accuracy	0.1% + 0.5%FS	
CP mode	Range	400W	200W
	Accuracy	0.1% + 0.5%FS	
Dynamic mode	T1&T2	100μS~3600S	
	Accuracy	5μS±100ppm	
	Slope	0.001~0.15 A/μS	
Readback voltage	Range	0~18V, 0~150V	
	Accuracy	±(0.05% + 0.1%FS)	
Readback current	Range	0~4A, 0~40A	
	Accuracy	±(0.05% + 0.1%FS)	0~2A, 0~20A
Readback power	Range	400W	
	Accuracy	±(0.1% + 0.5%FS)	200W
Over-power protection	Set value×1.01, delay protection, max 404W	Set value×1.01, delay protection, max 202W	
	Set value×1.1, instant protection, max 440W	Set value×1.1, instant protection, max 220W	
Over-current protection	Set value×1.01, delay protection, max 40.4A	Set value×1.01, delay protection, max 20.2A	
	Set value×1.1, instant protection, max 44A	Set value×1.1, instant protection, max 22A	
Over-voltage protection	≥152V delay protection, ≥165V instant protection		
Over-temperature protection	≥95°C		
Resolution	1mV/1mA		
Basic mode	CC/CV/CR/CP		
Test mode	Dynamic mode, list mode, battery test		
Protections	Protections of over-voltage/under-voltage/over-current/over-power/over-temperature/ anti-reverse connection		
System setup	Language: Chinese/English, key tone setting		
Data storage	60 sets of data memory		
Interface & protocol	RS-232 interface and SCPI protocol		
PC software	√		
Power	110V/220V, 50/60Hz		
Display	2.8 inch LCD		
Product net weight	3.6kg		
Product size (W×H×D)	300mm x 88mm x 174mm		
Standard quantity per carton	4pcs		
Standard carton size	360mm x 170mm x 280mm		
Standard carton gross weight	20kg		

Ordering Information	
UTL8200 Series	UTL8212: DC electronic load (2-Channel, 20A, 200W)
	UTL8211: DC electronic load (1-Channel, 40A, 400W)
Standard Accessories	International standard power cord
	250V/0.5A fuse (Only suitable for 110V input voltage)