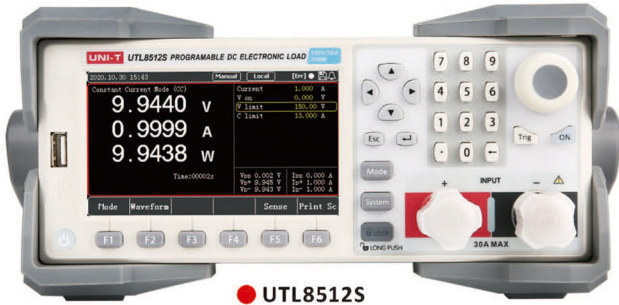


# UTL8500X Series

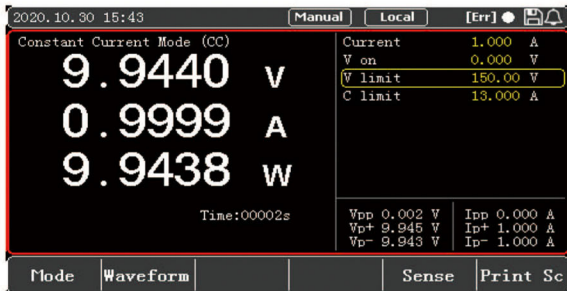
## Programmable DC Electronic Loads



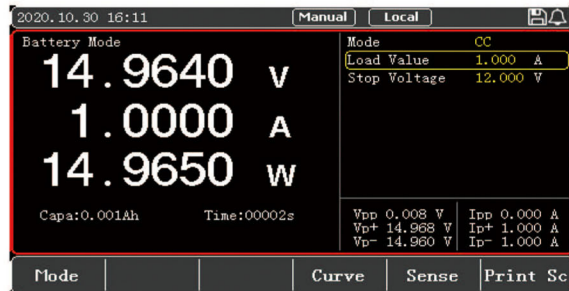
● UTL8512S

The UTL8500X Series Programmable DC Electronic Loads are equipped with 4.3-inch LCD screen, wide power range and up to 0.1mV/0.1mA resolution, support real-time waveform display and multiple test modes, such as dynamic test, overload test, auto test, list test, battery test, CR-LED test.

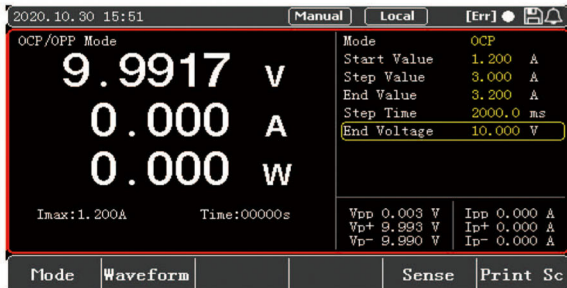
Application: power suppliers test of chargers, power source of switches, UPS power supplies, LED driver, mobile phone batteries and power banks and in areas of electronic performance test, new energy test, aerospace industries, high-power test, labs, R&D and production line, etc.



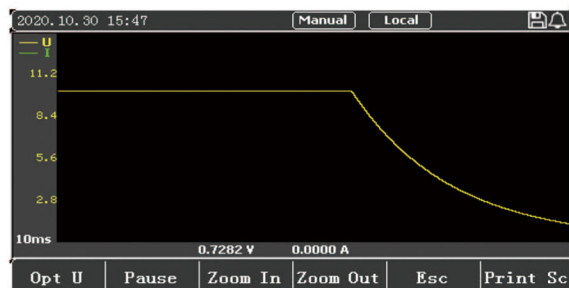
● 4 basic modes: CC/CV/CR/CP and high resolution of 0.1mV/0.1mA



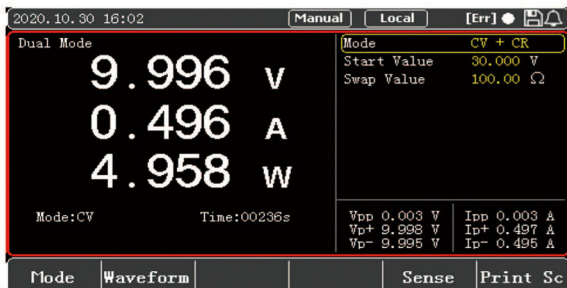
● Battery test function



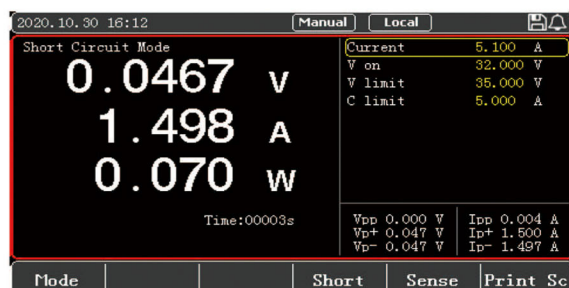
● Multiple protection test and ripple measurement functions



● Real-time waveform display function



● Three combination modes



● Short circuit test

Technical Specifications		UTL8511S	UTL8512S
Input ratings (0~40°C)	Input voltage	0~150V	
	Input current	0~3A,0~30A	
	Resolution	0.1mV, 0.1mA	
	Input power	150W	300W
	Min. operating voltage	1.4V at 30A	
CV mode	Range	0~18V, 0~150V	
	Accuracy	±(0.05%+0.025%FS)	
CC mode	Range	0~3A,0~30A	
	Accuracy	±(0.05%+0.05%FS)	
CR mode	Range	0.05Ω~7.5KΩ	
	Accuracy	0.1%+0.08S	
CP mode	Range	150W	300W
	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/us	
	Min rise time	≥10us	
Readback voltage	Range	0~18V,0~150V	
	Accuracy	±(0.025%+0.025%FS)	
Readback current	Range	0~3A,0~30A	
	Accuracy	±(0.025%+0.05%FS)	
Readback power	Range	150W	300W
	Accuracy	±(0.1%+0.1%FS)	
Ripple wave measurement	Range	0-0.3V,0-9V	
	Accuracy	0.1%+2mV, 0.1%+10mV	
OPP	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)		
OCP	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)		
OVP	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)		
OTP	≥85°C		
Short circuit	Current (CC)	≤3A,≤30A	
	Voltage (CV)	0V	
	Resistance (CR)	35mΩ	
Input resistance	300KΩ		
Power	110V/220V, 50/60Hz		
Display	LCD		
Product net weight	5.3kg		
Product size (W×H×D)	214mm x 88mm x 340mm		
Standard quantity per carton	2pcs		
Standard carton size	410mm x 310mm x 490mm		
Standard carton gross weight	13.5kg		

Ordering Information	
UTL8500X Series	UT8512S: Programmable DC Electronic Load (150V,30A,300W) UT8511S: Programmable DC Electronic Load (150V,30A,150W)
Standard Accessories	Power cord conforming to the standard of the destination country 250V, 0.25A fuse x 2 (only for 110V input voltage)