



# Telecom Device Battery Test Equipment

## GBT 1000 Series



Applied test	AGE	Capacity test
	Life cycle test	
Pulse charging /discharging	DCIR measurement	ACIR measurement

### The best solution for the following needs

- High-frequency pulse testing requirements.
- To perform tests on various mobile communication protocols, such as GSM and PWM.

Applied technology	High-precision	Discharge to DV	KHz level pulse

### Main Features

- Output and measurement accuracy is within  $\pm 0.02\%$  F.S.
- KHz level pulse frequency.

### Others

- Independent control and output of each channel.
- Operating modes: constant current, constant voltage, constant power, GSM, DCIR, ACIR.
- Software with high expandability, with integrated control of voltage measurement modules, temperature measurement modules, BMS data collection units, chambers, and other externally connected modules.
- Advanced data analysis functionality.
- Mechanical designs can be adjusted according to customer specifications.
- With various types of international testing standards for DCIR and pulse charging /discharging already built in.

AC Power		Customized According To Client Needs					
Loading Range		Charge	0~20V*	Discharge	2~20V* (Option: Discharge to 0V)		
Output	Constant Voltage	Maximum Voltage	Depend on Spec*				
		Resolution	16 bit				
		Accuracy	$\pm 0.02\%$ F.S.				
	Constant Current	Maximum Charge/Discharge Current	$\pm 10A^*$				
		Resolution	16 bit				
		Accuracy	$\pm 0.02\%$ F.S.				
	Constant Power	Maximum Power	Depend on Spec*				
		Resolution	16 bit				
		Accuracy	$\pm 0.04\%$ F.S.				
Data Recording Time		100ms (1s in GSM mode)					
Pulse	Phase		8				
	Time	Maximum Pulse Width	60s				
		Minimum Pulse Width	500 $\mu$ s				
		Resolution	50 $\mu$ s				
Communication Interface		Ethernet					
Ambient		23°C $\pm$ 2°C; 20~90HR					
Optional Features		DCIR Measurement, ACIR Measurement, Chamber Integration					
Accessory		BMS & Gas Gauge Data Collector, Auxiliary Voltage, Auxiliary Temperature, Chamber, Customized Fixture, Auto-Calibrator, Buzzer					

\*Accept Customized Request

Model	Voltage (V)	Current (A)
GBT 1000 5V/10A	5	10
GBT 1000 20V/10A	20	10