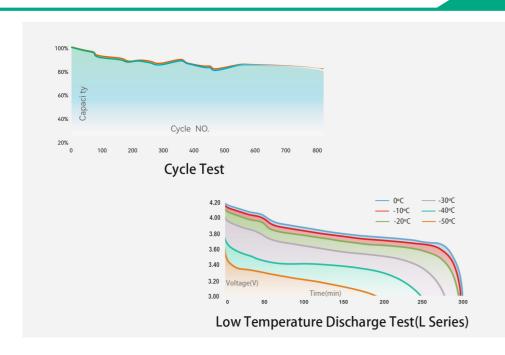


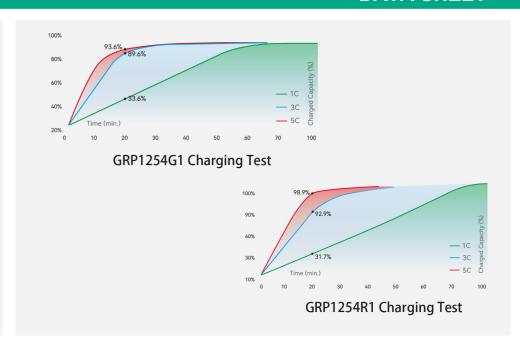
GREPOW LI-ION BUTTON CELL BATTERY PARAMETER COMPARISON CHART

	Туре	GRP1254G1 GRP1254G1 Libra 3.85V High-capacity with fast charge series	GRP1254R1 GRP1254R1 GRP1254R1 4.2V voltage with fast charging series	GRP1254L1 GRP1254L1 Low temperature environment work	GRP1054R1 GRP1054R1 GRP1054R1 GRP1054R1 GRP1054R1 GRP1054R1	GRP1254R1-1S2P
BATTERY PARAMETERS	Chemistry	LiCoO2	LiCoO2	LiCoO2	LiCoO2	LiCoO2
	Nominal Voltage [V]	3.85V	3.7V	3.7V	3.7V	3.7V
	Nominal Capacity [mAh]	75mAh	70mAh	68mAh	46mAh	140mAh
	Watt Hour [Wh]	0.289Wh	0.259Wh	0.251Wh	0.170Wh	0.518Wh
	Internal Impedance $[\Omega]$	< 0.18 @1kHz	< 0.18 @1kHz	< 0.18 @1kHz	< 0.26 @1kHz	< 0.15 @1kHz
CHARGING SPECIFICATIONS	Max Voltage [V]	4.4V	4.2V	4.2V	4.2V	4.2V
	Normal Charging Current [mA]	37.5mA/ 0.5C/ 3hr	35mA/ 0.5C/ 3hr	34mA/ 0.5C/ 3hr	23mA/ 0.5C/ 3hr	70mA/ 0.5C/ 3hr
	Max Charging Current [mA]	225mA/ 3C/ 1.1hr	210mA/ 3C/ 1.1hr	68mA/ 1C/ 1.5hr	138mA/ 3C/ 1.1hr	420mA/ 3C/ 1.1hr
	Charging Temperature [°C]	0 to 45	0 to 45	0 to 45	0 to 45	0 to 45
DISCHARGING SPECIFICATIONS	Cut Off Voltage [V]	3V	3V	3V	3V	3V
	Max. Discharging Current [mA]	2.0C/ 150mA (Continuous) 5.0C/ 375mA (Non-Continuous)	2.0C/ 140 mA (Continuous) 5.0C/ 350 mA (Non-Continuous)	140 mA (Continuous) 14mA(Continuous,0.2C) at -50°C Low-Temp	2.0C / 92mA (Continuous) 5.0C/ 230mA (Non-Continuous)	2.0C/ 280 mA (Continuous) 5.0C/ 700mA (Non-Continuous)
	Discharging Temperature [°C]	-20 to 60	-20 to 60	-50 to 50	-20 to 60	-20 to 60
OTHERS	Storage Temperature [°C]	1 Year at -20 to 20°C > 90%				
	Capacity Recovery Rate [%]			3 Month at -20 to 45° C > 90%		
				1 Month at -20 to 60°C > 85%		
	Cycle Life 1C/1C, 20°C [Cycles]			> 500 (>80% of initial capacity)		
	Safety			UN 38.3 passed, IEC 62133 passed		



GREPOW LI-ION BUTTON CELL BATTERY DATA SHEET





BATTERY CONNECTION SOLUTIONS (FOR BUTTON CELL BATTERY)

















Hardwire Solutions

Tab Solutions

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