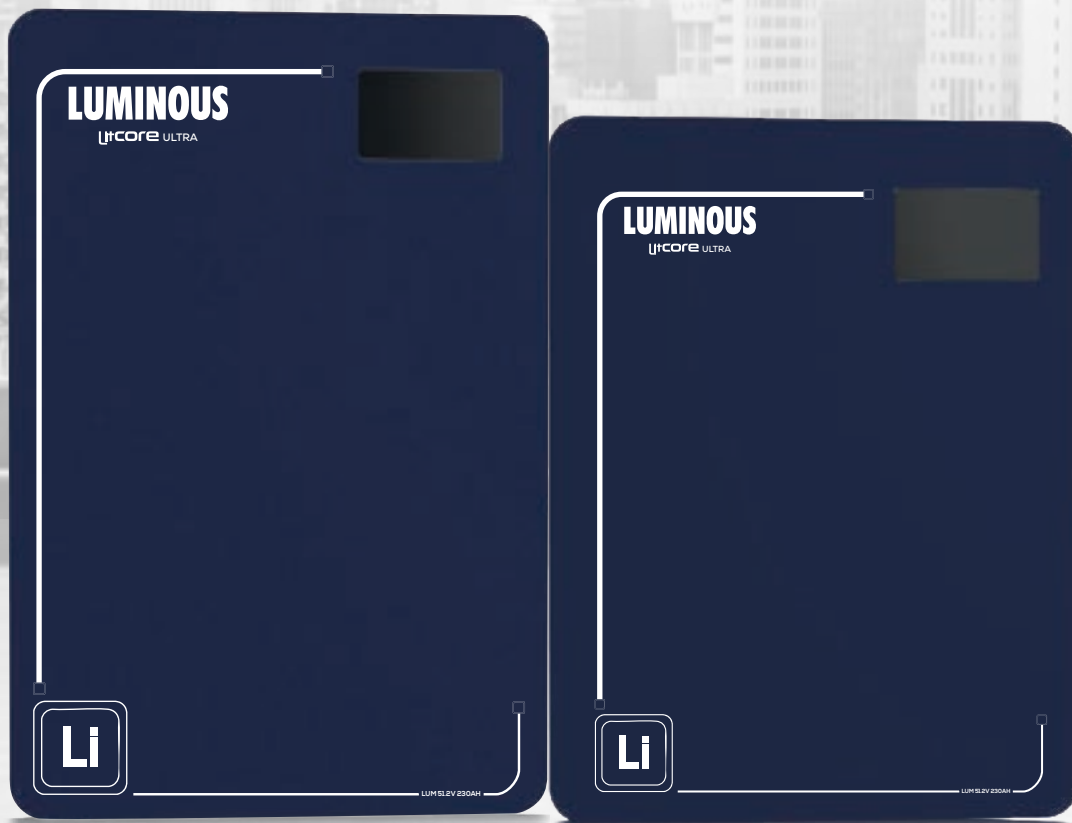


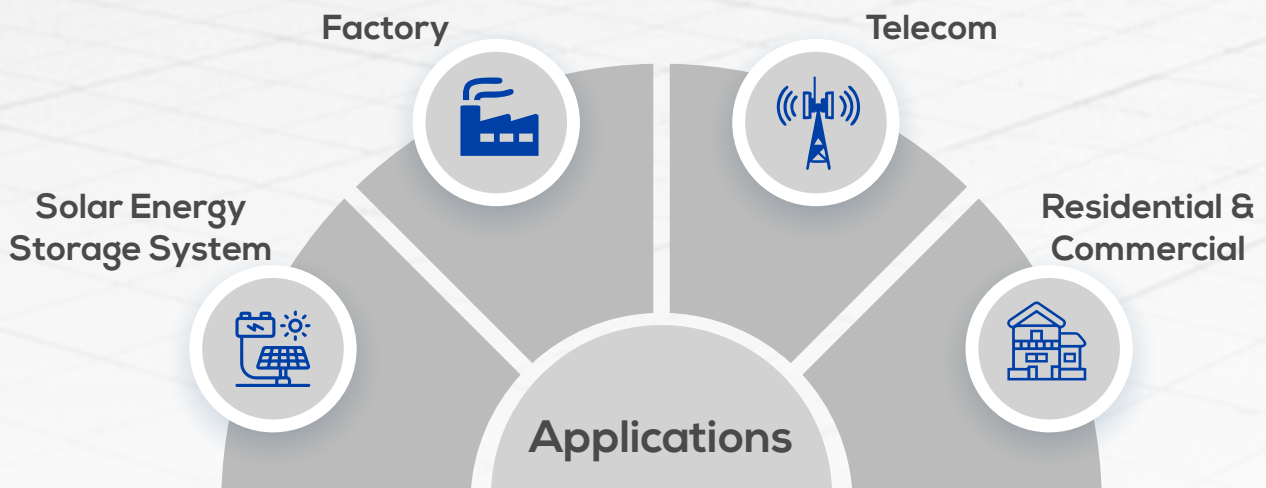
LUMINOUS

Litcore ULTRA

POWERING THE FUTURE 



Range Available: 100Ah | 314Ah



Litcore ULTRA

KEY FEATURES



INFORMATIVE DISPLAY

LCD display with touch screen



STACKABLE

Upto 15 batteries in parallel supported with Manual configuration



COMPATIBILITY

Compatibility with wider range of high frequency inverters



LIFECYCLE

6000 Cycles**



SAFETY

Multi-level protection feature

TECHNICAL SPECIFICATION

Battery Model	LU100AH 25.6V	LU100AH 51.2V	LU51.2-105
Cell Configuration	8SIP	16SIP	16SIP
Rated Capacity	100Ah		105Ah
Operating Voltage Range	20-29.2V	40-58.4V	
Usable Energy	2560Wh	5120Wh	5376Wh
Voltage at end of discharge	20V	40V	
Charging Voltage	29.2V	58.4V	
Internal Impedance	≤30mΩ	≤40mΩ	
Standard Charge	Constant Current : 20A		
	Constant Voltage: 29.2V	Constant Voltage: 58.4V	
	Cut off : 5A		
Limiting Current	20A (at CC>100A)		10A (at CC>100A)
Standard Discharge	Constant Current : 50A		
	End Voltage: 20V	End Voltage: 40V	
Maximum Continuous charge current	100A		
Maximum Continuous Discharge current	100A		
Efficiency	> 99%		
Recommended Depth of Discharge	90%		
Protection	Voltage, Current, Temperature		
Cycle Life	6000 cycles**		
Communication Port	RS485, CAN		
Operating Temperature Range	Charge: 0~55°C		
	Discharge: -10~60°C		
Storage Temperature Range	> 1month 0~35°C(SOC30-50%)		
	≤ 1month -20~45°C(SOC30-50%)		
No of units in Parallel	15 PCS		
Terminal	WL-CNT120-A		
Display	Touch screen		LCD+Button
Weight	26 kg	46 kg	47.2 kg

Due to continuous product improvement, the specifications and product design are subject to change without notice. | **Test conditions: 0.5C Charging/Discharging @25°C, 80% DOD.

TECHNICAL SPECIFICATION

Battery Model	LU230AH 25.6V	LU230AH 51.2V	LU314AH 51.2V
Cell Configuration	8S1P	16S1P	
Rated Capacity	230Ah		314Ah
Operating Voltage Range	20-29.2V	40-58.4V	40-58.4V
Usable Energy	5888Wh	11776Wh	16076Wh
Voltage at end of discharge	20V	40V	
Charging Voltage	29.2V	58.4V	
Internal Impedance	≤20mΩ	≤20mΩ	≤20mΩ
Standard Charge	Constant Current : 30A		Constant Current : 60A
	Constant Voltage: 29.2V	Constant Voltage: 58.4V	
	Cut off : 15A		Cut off : 15.7A
Limiting Current	20A (at CC>200A)		10A (at CC>200A)
Standard Discharge	Constant Current : 115A		Constant Current : 150A
	End Voltage: 20V	End Voltage: 40V	
Maximum Continuous charge current	115A		200A
Maximum Continuous Discharge current	200A		
Efficiency	> 99%		
Recommended Depth of Discharge	90%		
Protection	Voltage, Current, Temperature		
Cycle Life	6000 cycles**		
Communication Port	RS485, CAN		
Operating Temperature Range	Charge: 0~55°C		
	Discharge: -10~60°C		
Storage Temperature Range	> 1month 0-35°C(SOC30-50%)		
	≤ 1month -20-45°C(SOC30-50%)		
No. of units in Parallel	15 PCS		
Display	Touch Screen		LCD+Button
Terminal	WL-CNT120-A		WL-CNT250-A
Weight	49 kg	87 kg	129 kg

Due to continuous product improvement, the specifications and product design are subject to change without notice. | **Test conditions: 0.5C Charging/Discharging @25°C, 80% DOD.

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