









LV100 Series



-  Easy Operation and installation
-  Flexible Expansion in parallel
-  Compatibility with many inverter brands
-  Wake up by voltage or communication
-  Low self-consumption for storage or long rainy days
-  High safety level with automotive LFP cell and function safety design
-  Fire fighting device inside battery
-  High peak current to start the inductive load



Model	LV100					
SYSTEM DATA						
Nominal energy(kWh)	5.37	10.74	16.11	21.48	26.85	32.22
Usable energy (kWh)	4.83	9.67	14.50	19.33	24.17	29.00
Rated charge / discharge power(kW)	2.68	5.37	5.37	5.37	5.37	5.37
Max. charge / discharge power(@5min,kW)	5.37	10.75	10.75	10.75	10.75	10.75
Peak charge / discharge power (@60s,kW)	8.60	17.20	17.20	17.20	17.20	17.20
Dimension (H,mm)	630					
Dimension (W/D,mm)	500*187 (RE-L-5-X01)					
Weight(Kg)	53					
Number of modules	1	2	3	4	5	6
Nominal voltage(V)	51.2					
Operating voltage Range(V)	40-57.6V					
Rated charge / discharge current[A]	50	100	100	100	100	100
Max. charge / discharge current[A]	100	200	200	200	200	200
Battery round trip efficiency[%]	95					
Max. depth of discharge (DOD)[%]	90					
ENVIRONMENT LIMIT						
Operating temperature(°C)	0~50					
Storage temperature(°C)	-20~60					
Humidity	5%~90%					
Altitude (m)	<2000					
COMMUNICATION AND USER INTERFACE						
Communication port	CAN,RS485					
Indicator	SOC: 5 LED (20 %, 40 %, 60 %, 80 %, 100 %); Status: 1 LED (working mode)					
System switch (ON / OFF)	Power button, DC-Breaker					
GENERAL DATA						
Design life	15+Years					
Cycle life* 1	>6000, @25 °C DOD 90%					
Cooling concept	Natural convection					
CERTIFICATE						
Enclosure protection rating	IP65					
Safety	IEC62619\VDE2510-50					
EMC	EN61000-6-1/ EN61000-6-2/ EN61000-6-3/ EN61000-6-4 / EN61000-3-2/ EN61000-3-3/ EN61000-3-11/ EN61000-3-12					
Transport	UN38.3					
COMPATIBILITY						
Expansion	6					
Compatible inverters	Refer to compatible List					

1 Test conditions: 0.2C Charging/Discharging, @25 °C, 90% DOD