

Battery	Command	Function code (hex)	485A	485B	485C	232	Type	Address
Sungold - SG48100P	Get analog value-fixed	42	✓✓✓	✓✓✓	✓✓✓	*5 ✓✓✓*1	B	Version 2.0 -20
	Get protocol version	4F	✓✓✓					
	Get serial number	93	✓✓✓					
	Get BMS date/time	B1		✓✓✓	✓✓✓	✓✓✓		
	Get manufacture info	51	✓✓✓					
	Get charge/disc. Settings	92	✓✓✓					
	Get software version	C1		✓✓✓	✓✓✓	✓✓✓		
	Get product information	C2		✓✓✓	✓✓✓	✓✓✓		
	Get alarm data	44	✓✓✓*2/4	✓✓✓*3/7	✓✓✓*3/7	✓✓✓*3/4		
							1. Address can be 1 or 255 (FF).	
							2. Returns 5 temperature states.	
							3. Returns 6 temperature states.	
							4. Different state results returned.	
							5. 232, use address 255 (FF)	
							6.	
							7. Returns 6 temperature states and same data as 232.	

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Testing using RS485B & C with 4 batteries

RUIXU RX-LFP48100	Get analog value-fixed	42	✓✓✓					C	Version 2.1 -21
	Get protocol version	4F	✓✓✓						
	Get serial number	93							
	Get BMS date/time	B1							
	Get manufacture info	51	✓✓✓						
	Get charge/disc. Settings	92							
	Get software version	C1	✓✓✓						
	Get product information	C2	✓✓✓						
	Get alarm data	44	✓✓✓*1						

1. Most of the data appears to be valid.
More data is returned than the protocol defines.

2. The battery responds to version 2.0 and 2.1.

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Testing with 6 batteries on a single RS485 chain.

Trophy Battery 48V100E-2UL	Get analog value-fixed	1	✓✓✓	A	Version 2.1 -21
	Get protocol version	33	✓✓✓		
	Get serial number	DC	✓✓✓*3	1. Using middle RS-485 port.	
	Get PCB barcode	42	✓✓✓	2. Using address 1.	
	Get BMS date/time	45	✓✓✓	3. Result is odd. Not sure of result.	

1. Using middle RS-485 port.
2. Using address 1.
3. Result is odd. Not sure of result.

Testing with 1 battery using RS485.

EG4 Lifepower4	Get analog value-fixed	42	✓✓✓				D	Version 2.0 -20
	Get protocol version	4F	✓✓✓					
	Get alarm data	44	✓✓✓	1. CID1 is 4A.				

1. CID1 is 4A.

Testing with 1 battery using RS485.