

| Battery | Command | Function code (hex) | 485A | 485B | 485C | 232 | Type | Address |
|--------------------|---------------------------|---------------------|---------|---------|---------|-------|------|-----------------|
| Sungold - SG48100P | Get analog value-fixed | 42 | ✓✓✓ | ✓✓✓ | ✓✓✓ | ✓✓✓*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.

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.

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 | | | | | |
| | Get PCB barcode | 42 | ✓✓✓ | | | | | |
| | Get BMS date/time | 45 | ✓✓✓ | | | | | |

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.

Testing with 1 battery using RS485.