

Innovation  
for A Better Life

**COSLINK** ESS

# CHANGE YOUR ENERGY PROVIDE ENERGY INDEPENDENCE

**EnerSmart**  
BS48V100 Li-ion Battery

[www.coslinkess.com](http://www.coslinkess.com)

Official Authorized ESS Integrator of CATL



## Features and Advantages



### Smarter

- Smart active control technology
- Intelligent charge & discharge control
- Integrated BMS and high efficiency BDC optimizer



### High performance

- Cycle life: **4000 times**
- Wide application temperature range
- Excellent current balancing performance
- Mixed use with lead-acid battery & conventional lithium batteries



### Great safety

- Reliable LiFePO4 cells
- Multiple real-time warnings and protections
- Built-in pressure release valve



### Compact and modular

- Standard 19" rack-mounted design (3U)
- Modular design



### Certification compliant

- IEC62619, IEC62620, UN38.3, EN61000



### Smart management

- Local & remote monitoring
- Advanced working modes: peak shaving mode, peak shifting mode, etc.
- Precise calibration of SOC and SOH

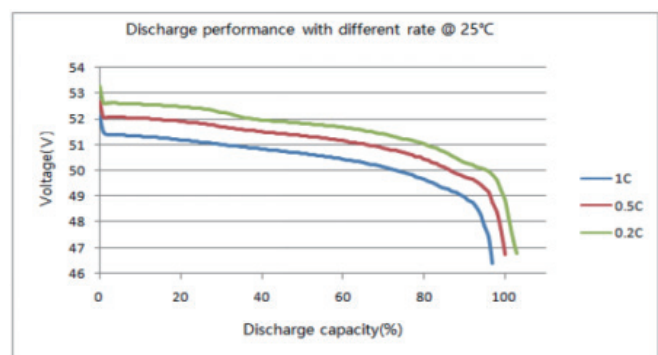
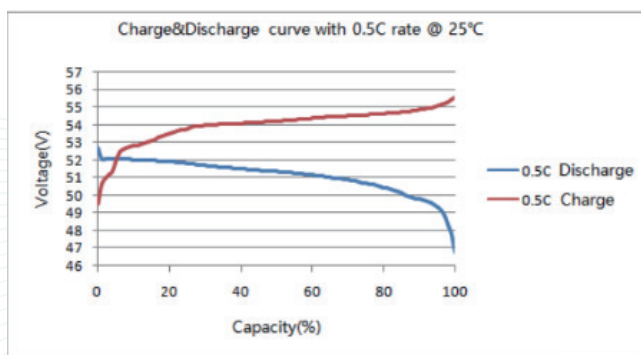
**The Leader of ESS Active Control Technology**  
Provide Professional OEM/ODM Solution and Product



**UN38.3**

Model	BS48V100
Battery Type	LFP
Rated Voltage [V]	48
Rated Capacity [Ah]	100Ah@48V, 0.5C, 25°C
Dimensions [W*D*H, mm]	442 * 400 * 130.5
Discharging Voltage Range [V]	42 ~ 58 (consistent voltage)
Output Power [W]	4800
Max. Continuous Discharging Current [A]	90 / 100
Weight [kg]	39
Cycle Life [Times]	4000 times (25°C, 0.5C, 80% DOD)
Communication	RS485 * 1, CAN * 1, and dry contact * 2
Parallel Connection	Up to 32 packs (CAN) / 16 packs (RS485)
Balance Method	Passive balancing
Equalizing Current [mA]	100
Heat Dissipation	Natural cooling
Working Temperature [°C]	Charging: 0 ~ 55; discharging: -20 ~ 55
Storage Temperature [°C]	-30 ~ 60
Relative Humidity	5% ~ 95% RH (non-condensing)
Protection and Alarm	Overheat, over-current, short circuit, over-charging, over-discharging, etc.
Designed Life Time	15 years
Working Methods	<ol style="list-style-type: none"> <li>1. Bus voltage following mode</li> <li>2. Constant voltage output mode</li> <li>3. Battery characteristic discharge output mode</li> <li>4. Peak shaving mode</li> <li>5. Peak shifting mode</li> </ol>
Anti-Theft	Gyroscope

### Performance Curve



Note: The above information may subject to update without prior notice.

**COSLINK DIGITAL ENERGY TECHNOLOGY CO., LTD.**

- Room 2A of Building 2, Winlead Intelligent Park, Shutianpu Community, Matian Sub-District, Guangming District, Shenzhen City
- +86-0755-2969 1626      • sales@coslinkess.com