

Innovation
for A Better Life

COSLINK ESS

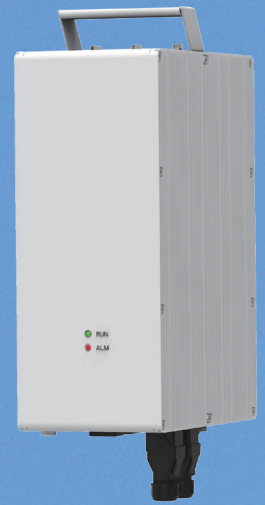
CHANGE YOUR ENERGY PROVIDE ENERGY INDEPENDENCE

EnerSmart
5G Micro Base Station Power Supply

www.coslinkess.com
Official Authorized ESS Integrator of CATL



Rectifier module



Battery module

Features and Advantages



Integrated hardware

- The rectifier module integrates the functions of monitoring, power distribution and lightning protection
- The battery module integrates the functions of BMS, power distribution and lightning protection.



Diversified installation

- Easy installation for fast deployment
- Support of various installation scenarios such as pole mounting, wall mounting, and angle-steel-tower-mounting, etc.



Flexible combination

- Support of connection between rectifier module
- Support of connection between the rectifier and the lithium battery modules.



Simple operation

- Plug-and-play connector (error-proof design)
- No need of manual parameter setting



Convenient expansion

- Rectifier/battery modules online expansion supported
- Support of mixed use with lead-acid batteries and old and new lithium batteries



Intelligent management

- Support of local APP monitoring, zero onsite maintenance required
- Intelligent and precise power-off
- Sub-circuit electricity consumption measurement supported

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



UN38.3

Rectifier Model		TP48V2K	TP48V3K
Rectifier Module System	Dimensions [W*D*H, mm]	300 * 78 * 420	
	Weight [kg]	≤ 13.5	
	Installation	Wall-mounting, pole-mounting, and angle-steel-tower-mounting	
	IP Grade	IP65	
	Peak Efficiency	> 97%	
	Working Temperature [°C]	-40 ~ 55 (without direct sunlight)	
	Heat Dissipation	Natural dissipation	
Environment	Storage / Transportation Temperature [°C]	-40 ~ 70	
	Relative Humidity	5% ~ 95% RH (non-condensing)	
	Altitude [m]	≤ 4000 (-1°C / 200m)	
AC Input	Input Voltage [V]	220 (single-phase)	
	Input Voltage Range [Vac]	90 ~ 290	
	Input PF	≥ 0.99	
	Input Frequency [Hz]	45 ~ 65	
	Input Current [A]	15	19
	AC Shock-Proof	≥ 20 kA, 8/20 μs	
DC Output	Output Power [W]	2000	3000
	Output Voltage [Vdc]	- 53.5	
	DC (Load) Output Current	3 × 50 A	
	DC Shock-Proof	≥ 10 kA, 8/20 μs	
	Battery By-Pass Current	1 × 60A	
Communication	Local Monitoring	Website / mobile APP	
	Number of Dry Contact	3	
	Communication	RS485 / CAN	
	Wireless Connection	4G / Wi-Fi	
Battery Model		BS48V50Ah	
Battery System	Cell Type	LFP	
	Installation	Wall-mounting, pole-mounting and angle-steel-tower-mounting	
	IP Grade	IP65	
	Dimensions [W*D*H, mm]	300 * 155 * 420	
	Weight [kg]	≤ 30	
	Working Temperature [°C]	-40 ~ 55 (without direct sunlight)	
	Heat Dissipation	Natural cooling	
Electrical Parameters	Rated Voltage [V]	48	
	Rated Capacity [Ah]	50	
	Voltage Range [V]	42 ~ 58	
	Maximum Charging Current [A]	50 (current limitation ¹⁰)	
	Maximum Discharge Current [A]	50	
	Parallel Connection	Up to 16 (auto-coding supported)	
	Communication	RS485 * 2, dry contact *2, CAN *2	
	Protection	Over-voltage, under-voltage, short circuit, overload, over-current, over-temperature, low temperature protection, etc.	

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