

Innovation
for A Better Life

COSLINK ESS

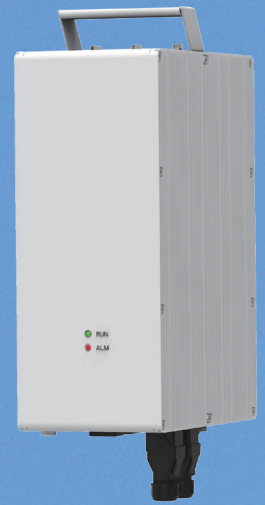
CHANGE YOUR ENERGY PROVIDE ENERGY INDEPENDENCE

EnerSmart
5G Micro Base Station Power Supply

www.coslinkess.com



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, 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



Intelligent management

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

The Leader of ESS Active Control Technology

Future Green Energy: More Reliable, More Intelligent, More Economic



UN38.3

Rectifier Model		TP48V2K	TP48V3K
Rectifier Module System	Dimensions [W*D*H, mm]	300*78*430	
	Weight [kg]	≤ 9	
	Installation	Wall-mounting, pole-mounting, and angle-steel-tower-mounting	
	IP Grade	IP65	
	Efficiency	> 97%	
	Working Temperature [°C]	-40 to +55 (without direct sunlight)	
	Heat Dissipation	Natural dissipation	
Environment	Storage/Transportation Temperature [°C]	-40 to +70	
	Relative Humidity	5% to 95% RH (non-condensing)	
	Altitude [m]	≤ 4000 (-1°C/200m)	
AC Input	Input Voltage [V]	220 (single-phase)	
	Input Voltage Range [V]	90-300	
	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 [V]	-56.4	
	DC (Load) Output Current [A]	3×40A	
	DC Shock-Proof	≥ 10 kA, 8/20 μs	
	Battery By-Pass Current [A]	1 × 60A	
Communication	Local Monitoring	Bluetooth and mobile APP	
	Number of Dry Contact	3	
	Communication	RS485/CAN	
	Wireless Connection	4G/WIFI	
Battny Model		TP48V50-15S	
Battery System	Cell Type	LFP	
	Installation	Wall-mounting, pole-mounting and angle-steel-tower-mounting	
	IP Grade	IP65	
	Dimensions [W*D*H, mm]	300*170*420	
	Weight [kg]	≤ 30	
	Working Temperature [°C]	-40 to +55 (without direct sunlight)	
	Heat Dissipation	Natural cooling	
Electrical Parameters	Rated Voltage [V]	48	
	Rated Capacity [Ah]	50	
	Voltage Range [V]	42-53.5	
	Maximum Charging Current [A]	50 (current limitation : 10)	
	Maximum Discharge Current [A]	50	
	Parallel Connection	Up to 16 (auto-coding supported)	
	Communication	RS485*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