



# CP NEXUS S3U

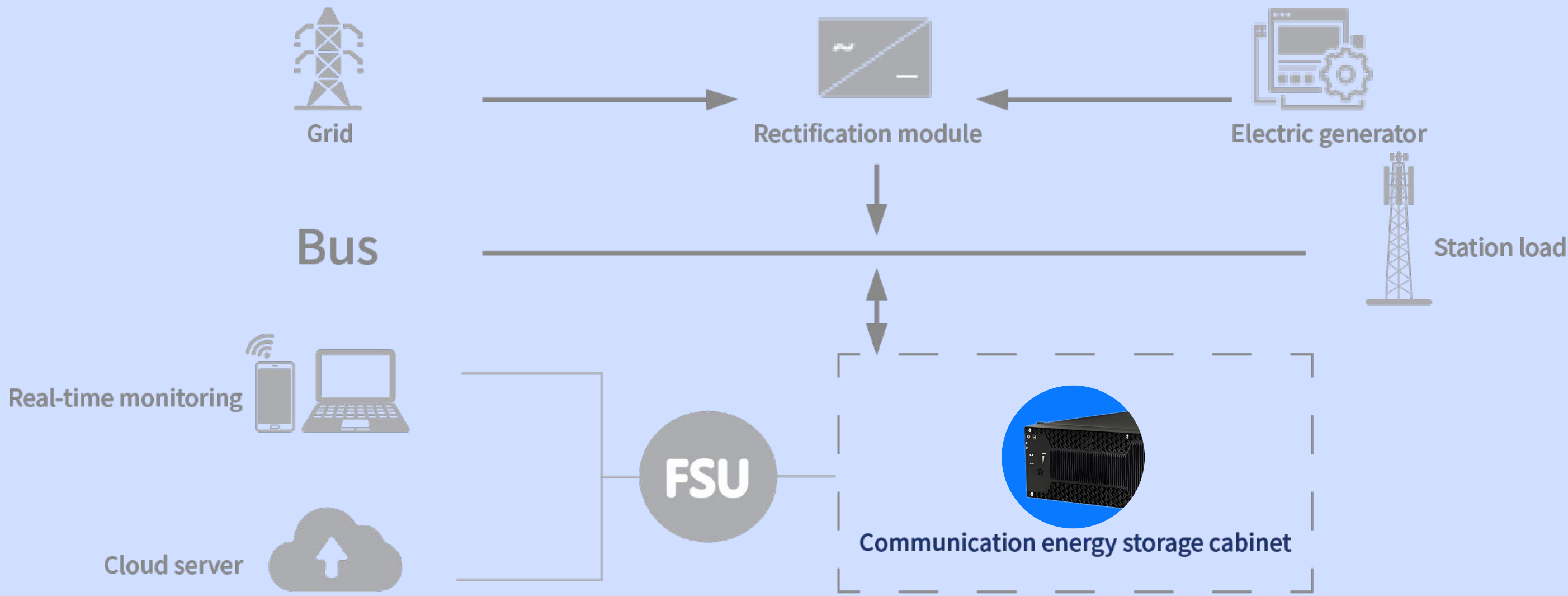
Li Battery Storage for  
Telecom

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**Telecommunications**

Maintain seamless communication services with reliable energy storage that safeguards against power interruptions, ensuring uninterrupted connectivity for critical infrastructure.

SYSTEM INFRASTRUCTURE



MODEL

CS48100T

CS48150T

BASIC PARAMETERS

Connection Method	1P15S	1P15S
Rated Energy	4800Wh	7200Wh
Rated Capacity	100Ah	150Ah
Rated Voltage	48V	48V
Voltage Range	42~58V	42~58V
Charging Current	50A	50A
Discharge Current	100A	100A
Operating Temperature	charge:0~50°C; discharge:-20~55°C; Storage:-30~45°C	charge:0~50°C; discharge:-20~55°C; Storage:-30~45°C
Self-discharging Rate	≤3% (0~30°C/3 months)	≤3% (0~30°C/3 months)
Size	440*420*130mm	440*525*130mm
Weight	42Kg	59Kg
Life cycles	6000x at 80% DOD, 0.5C/0.5C	6000x at 80% DOD, 0.5C/0.5C

EXTRA DETAILS

Communication interface	RS485/RS232/CAN
Information sampling function	With each series-connected single cell voltage, external busbar voltage, total battery pack voltage, charging and discharging current, cell surface temperature, and BMS single-board temperature sampling function.
Battery Cell equalization function	The battery has a passive equalization function, which can be activated when the cell voltage difference exceeds a certain value during charging.
Charging current limit function	With the function of automatically entering the current-limiting charging mode when detecting low voltage, high voltage, low temperature, high temperature, poor consistency, and charging over-current protection in the battery cells.
Voltage acquisition accuracy	0~5V,Detection accuracy≤10mV;0~60V Detection accuracy≤0.5%
Current acquisition accuracy	Detection accuracy≤1%(0.5C charging/discharging)
Anti-theft function	Software anti-theft, communication anti-theft, gyroscope anti-theft, and other functions.
System component failure alarm	It has failure detection and alarm functions for key components of the BMS board. When a temperature sensor failure, voltage detection failure, or charge and discharge MOS failure is detected, an alarm will be generated and the charge and discharge loops will be disconnected (if the charge and discharge loop is damaged, it is not required to disconnect). The battery cannot recover automatically, and all the indicators will flash to prompt.
History logs	500 historical records, 10,000 historical records, and life-cycle storage are optional. It has independent storage space, and the BMS has power failure preservation capability. Historical data records include battery voltage, current, ambient temperature, SOC, SOH, cycle times, cumulative discharge capacity, and other data.

GOT QUESTIONS?  
GET IN TOUCH WITH US

Authorised Representative of Cospowers Europe  
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