

CF-15S-1P16S-314 W0.5



Indoor Rack Type High Voltage Lithium Battery System

Indoor Rack Type High Voltage Lithium Battery System is an indoor rack-mounted high-voltage lithium battery system developed by Leoch. It uses safe lithium iron phosphate batteries and active balanced intelligent BMS. It is compatible with various inverters or PCS and can be used in various industrial and commercial application scenarios such as peak shaving, emergency power backup, demand control, new energy power generation, photovoltaic storage and charging, and microgrids.



*The product image shows 15 PACK



High Voltage & High Efficiency

Efficiency $\geq 94\%$



Safe & Long Lifespan

more than 6000 cycles



Standard Design

Fit to 19-inch rack & easy to install



Active Balancing

Monitor cells and adjust balance accordingly to protect them and maintain consistency

Model	CF-15S-1P16S-314W0.5
PACK Specifications	
Cell Type	LFP
Nominal Voltage	51.2V
Nominal Capacity	314Ah
Nominal Power Energy	16kWh
Net Weight (approximate)	~121kg
Dimension (W×D×H)	482×770×227mm ±3mm
Charging Temperature Range	0~55°C
Discharge Temperature Range	-20°C~55°C
Cooling Mode	Intelligent Air Cooling
Communication Interface	CAN
IP level	IP20
RACK Specifications	
PACK Quantity	15
Nominal Voltage	768V
Nominal Capacity	314Ah
Nominal Power Energy	241kWh
Operating Voltage Range	672 ~ 864V
Charging Current	≤157A
Discharging Current	≤157A
Life Cycles	≥6000 times (25°C, 0.5C/0.5C, SOH 70%)
Working Altitude	2000m(Derate above 2000m)
Ambient Humidity	5 ~ 95% (non-condensing)
Net Weight (approximate)	~2084kg
Dimension (W×D×H)	1110×780×2100 ± 5mm
Communication Interface	RS485, CAN, Ethernet, Dry contacts
Compatible Inverters	Sinexcel / Victron / SMA etc.
BMS Self Powered	Yes