

# CF-15S-1P16S-280W0.5



## Indoor Rack Type High Voltage Lithium Battery System

CF-15S-1P16S-280W0.5 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.



### High Voltage & High Efficiency

Efficiency  $\geq 95\%$

Voltage range of 672 ~ 864V



### 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-280W0.5
<b>PACK Specifications</b>	
Cell Type	LFP
Nominal Voltage	51.2V
Nominal Capacity	280Ah
Nominal Power Energy	14.336kWh
Net Weight (approximate)	~115kg
Dimension (W×D×H)	482W×770D×227H ±3mm
Charging Temperature Range	0~55°C
Discharge Temperature Range	-20°C~55°C
Cooling Mode	Intelligent Air Cooling
Communication Interface	CAN
Life Cycles	≥6000 times (25°C, 0.5C/0.5C, SOH 70%)
IP level	IP20
Compatible Inverters	Sinexcel / Victron / SMA etc.
Certification	UN38.3

<b>RACK Specifications</b>	
PACK Quantity	15
Nominal Voltage	768V
Nominal Capacity	280Ah
Nominal Power Energy	215kWh
Operating Voltage Range	672 ~ 864V
Charging Current	≤140A
Discharging Current	≤140A
Working Altitude	No derating below 2000m
Ambient Humidity	0 ~ 95% (non-condensing)
Operating Noise	≤75dB
Net Weight (approximate)	~2000kg
Dimension (W×D×H)	1110×780×2100 ± 5mm (Excluding Connector Height)
Cluster Control Device	GA-E1000V/250A
Communication Interface	RS485, CAN, Ethernet, Dry contacts
Compatible Inverters	Sinexcel / Victron / SMA etc.
Certification	UN38.3