

Rack Mounted Lithium LiFePO4 Battery

AK-LFPM-RM Series



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RACK MOUNTED LITHIUM
LiFePO4 BATTERY

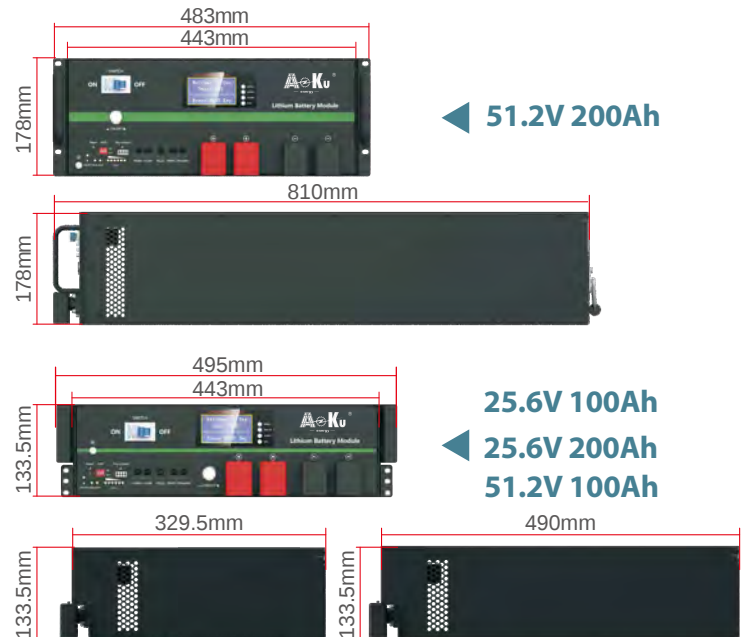


AoKu AK-LFPM-RM series LiFePO4 battery is a high-tech product developed for the requirements of new backup power supply. Built-in intelligent BMS to protect the battery pack at any time and prolong its service life, modular design enables parallel installation for larger power back up.

Main Features

- ▶ Cells cycle times 6000 cycles(+25°C 0.2C 80% DOD).
- ▶ Long lifespan: 10 years lift design, 5 years warranty or 6000 cycles whichever come first.
- ▶ 3U/4U rack-mount chassis design is easy for parallel expansion and maintenance.
- ▶ Smart BMS system to optimize the performance.
- ▶ Communication: RS485/SNMP/Wifi/Bluetooth, Compatible with different brand of solar inverter and chargers.
- ▶ All around protection: such as SOC/SOH etc..
- ▶ High discharge rate currents, suitable for on-grid or off- grid solar system and other loads.
- ▶ Maximum of 16 battery packs can be connected in parallel.
- ▶ With front display to know effectively the status of the batteries.

Drawing



Technical Parameter

Model	AK-LFPM-	25.6V-100Ah-RM	25.6V-200Ah-RM	51.2V-100Ah-RM	51.2V-200Ah-RM
Specification					
Battery Type		LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Model		25.6V100AH	25.6V200AH	51.2V100AH	51.2V200AH
Nominal Capacity(25℃ , 0.2C)WH		2560Wh	5120Wh	5120Wh	10240Wh
Adjustable working voltage(Vdc)		20~29.2V	20~29.2V	40~58.4V	40~58.4V
Max.Continuous discharge current(A)		100	200	100	200
Max.pulse discharge current(A)		150(1 sec) configurable	300(1 sec) configurable	150(1 sec) configurable	300(1 sec) configurable
Max.Continuous charge current(A)		100	200	100	200
Cycle life(+25℃ 0.2C 80% DOD)		> 6000 Cycles	> 6000 Cycles	> 6000 Cycles	> 6000 Cycles
Cell Equalizer Current(A)		0.1 ~ 5A Max.(optional)			
Terminal		M8			
Storage duration		6 months at 25℃			
Safety standard		IEC62619,UN38.3,MSDS,CE			
Communication function		CAN/RS232/RS485(Standard),Wifi/Bluetooth(optional)			
Communicate with mainstream inverter		Growatt/Voltronic/GoodWe/Pylontech/Kstar/MUST etc.			
Protection					
Protection		Overcharge protection\Overdischarge protection\Overcurrent protection\ Shortcircuit protection\Overtemperature protection			
Ambient					
Noise(dB)		< 40dB(1 meter)			
Working temperature		-20℃ ~ +60℃			
Humidity		0 ~ 95%(no condensation)			
Altitude(m)		<3000			
Dimension					
L*W*H(product size)mm		L329.5*W443*H133.5	L490*W443*H133.5	L490*W443*H133.5	L810*W483*H178
L*W*H(package size)mm		L400.5*W490*H198.5	L560*W490*H198.5	L560*W490*H198.5	L920*W523*H243
Net Weight(Kg)		24.15	42.45	42.45	84.2
Gross Weight(Kg)		25.95	44.65	44.65	106

Additional Features (optional feature) LCD Display

Product specifications are subject to change without notice.