





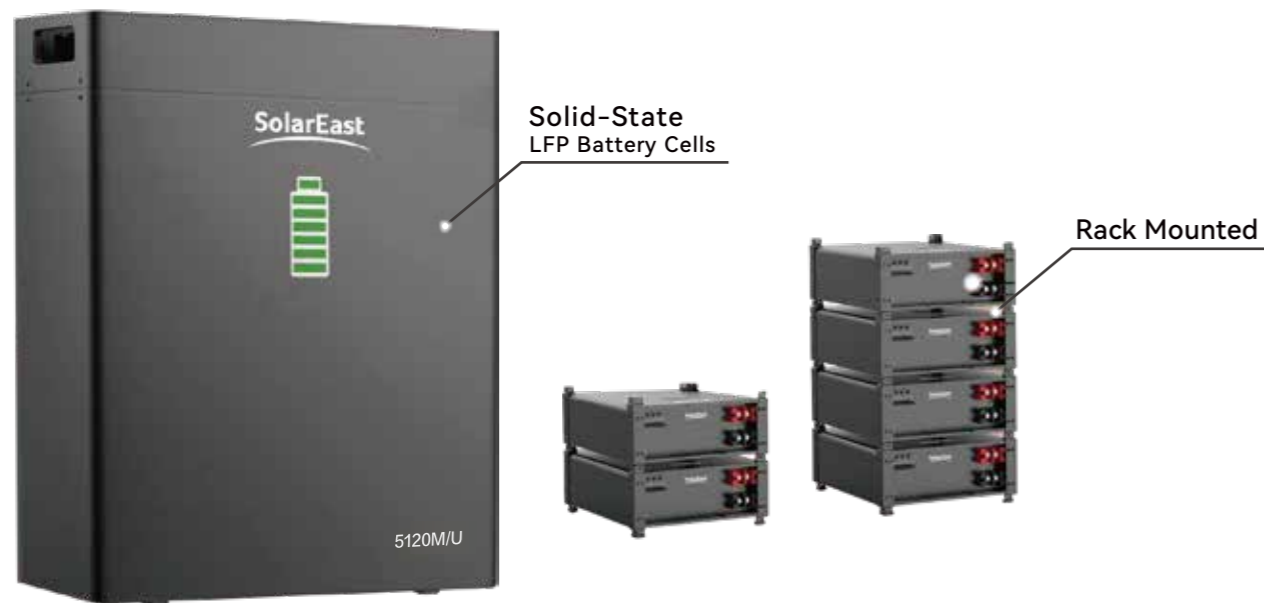


Multiple-use Residential ESS

Features & Advantages

-  Solid-State LFP Battery Cells
-  Higher Safety Protection
-  Faster Discharging/Charging Speed
-  16 Years Total Calendar Life
-  High Inverter Compatibility
-  Scalable up to 164kWh



Technical Specifications

Model	PowerCool-LFP 5120M/U	PowerCool-LFP 10240M/U
Total Energy*	5.1kWh	10.2kWh
Usable Energy(DC)*	4.7kWh	9.4kWh
Max Charge Power	5.12kW	10.2kW
Max Discharge Power	7.68kW	10.2kW
Peak Power(Only Discharge)	9kW for 3s	12kW for 3s
Voltage	48~56Vdc	
Nominal Voltage	51.2Vdc	
Max. Charge Voltage	57.6Vdc	
Max Discharging Current	150A	220A
Max Charging Current	100A	200A
Weight	50kg	85kg
Dimension(mm)(H*L*W)	535*442*165mm	920*442*165mm
Max.recommended DOD	90%	
Operating Condition	Indoor	
Operating Temperature	Charge	From 0~50°C
	Discharge	From -10~55°C
WIFI Frequency Range	2400MHz~2483MHz	
Humidity	< 60%(No condensed water)	
Over Voltage Category	II	
Cooling Type	Natural cooling	
Case Material	Metal	
Color	Black or White	
Installation	Wall/Ground/Rack Mounting	
IP Rating	IP 20	
Protective Class	I	
Max. Connection Number	16P	
Warranty	10 years	
Life Span	>16 years	
Communication	CAN/ RS485	
Protection Mode	Dual hardware protection	
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Safety	Cell UL 1973	
Hazardous Material	CE	
Classification	9	
Transportation	UN 38.3	

Testing conditions based on temperature 25°C at the beginning of life.
 *Total Energy/Usable Energy measured under specific conditions from SolarEast 0.2C CC-CV.