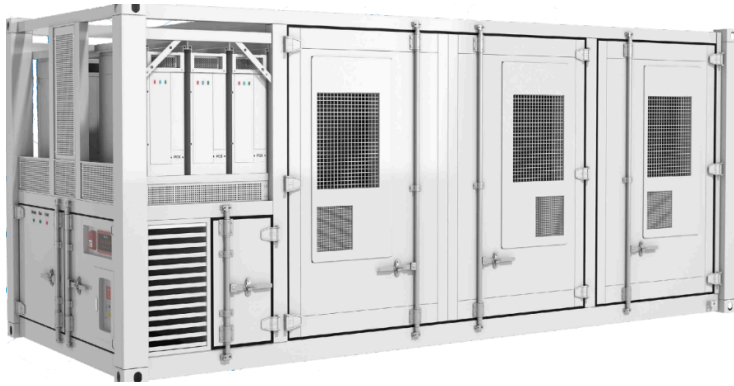


# PowerBank2mW

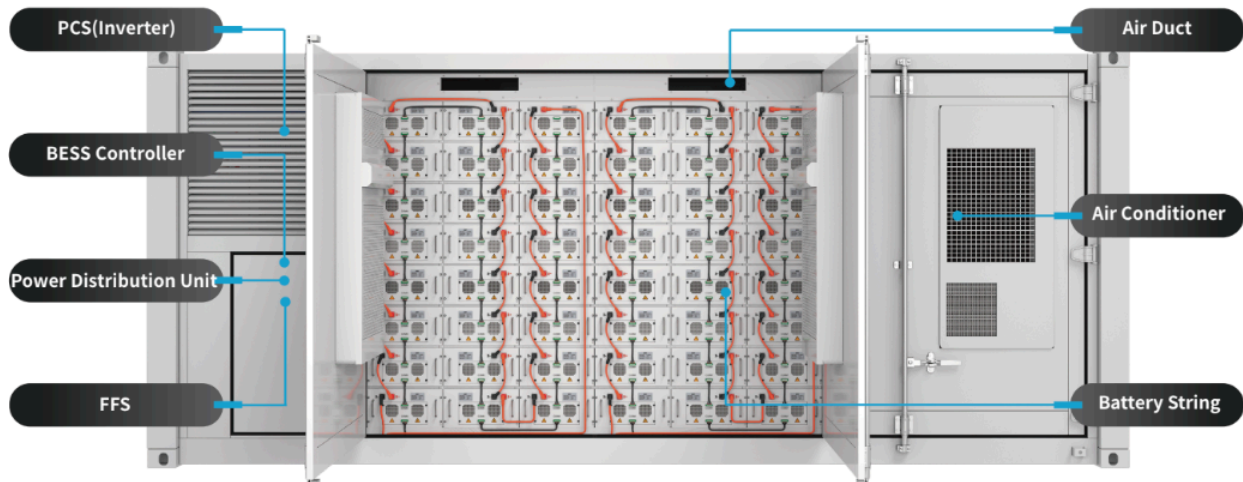
## Product Overview



A high-performance, all-in-one, containerised battery energy storage system developed by R-Energy, provides C&I users with the intelligent and reliable solution to optimize energy efficiency and resilience. As the

leading BESS product, PowerBank2mW is certificated by UL1973, UL9540A, IEC62619, CE , UN38.3, provides secure, reliable and safe power supply.

PowerBank2Mw, with a capacity of 2Mwh. Housed in a 20ft container, it is ideal where power is required, applications, such as a renewable energy power plant supplement, factories, buildings, etc. The integrated, easy-to-install BESS can be effortlessly connected and matched with the equipment, while the advanced BMS and or cloud-based operation platform brings a superior interaction experience for users.



DC Data		
Battery chemistry	Lithium Iron Phosphate (LFP)	
Cell life cycle	80% Retention with 5,000 Cycles @ 0.5C 25°C	
Cell spec	3.2V/280Ah	
String configuration	1P384S	
Number of strings	5	6
DC rated energy capacity	1,720kWh	2,064kWh
Rated voltage	1,228.8V	
Voltage range	1,075.2V~1,363.2V	
BMS communication interface	RS485, Ethernet	
BMS communication protocol	Modbus RTU, Modbus TCP	
AC Data		
Nominal AC power	800kW	1,000kW
Rated AC Power	1,000kW	1,200kW
Maximum AC power	1,100kW	1,320kW
Rated voltage	690V	
Grid voltage range	586.5~759V(Optional)	
AC rate of current	669.4A	836.8A
Output THDi	<3%	
AC PF	0.1~1 leading or lagging (Controllable)	
AC output	3P+PE	
General Data		
Dimension w/o clearances (L*W*H)	6,058x2,438x2,591mm	
Weight of the whole system	23t	26.5t
Degree of protection	IP54	
Operating temperature range	-20~40°C(Max.-30~55°C)	
Relative humidity	0~95% (non-condensing)	
Max working altitude	3,000m/9,842feet(non-derating)	
Cooling concept of DC hatch	Air cooling	
Fire fighting system	FK-5-1-12(NOVEC1230)	
Communication interfaces	RS485, Ethernet	
Certificates	UL9540, UN3536	