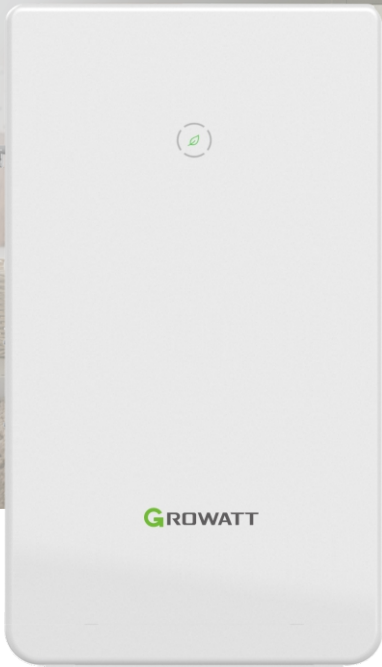
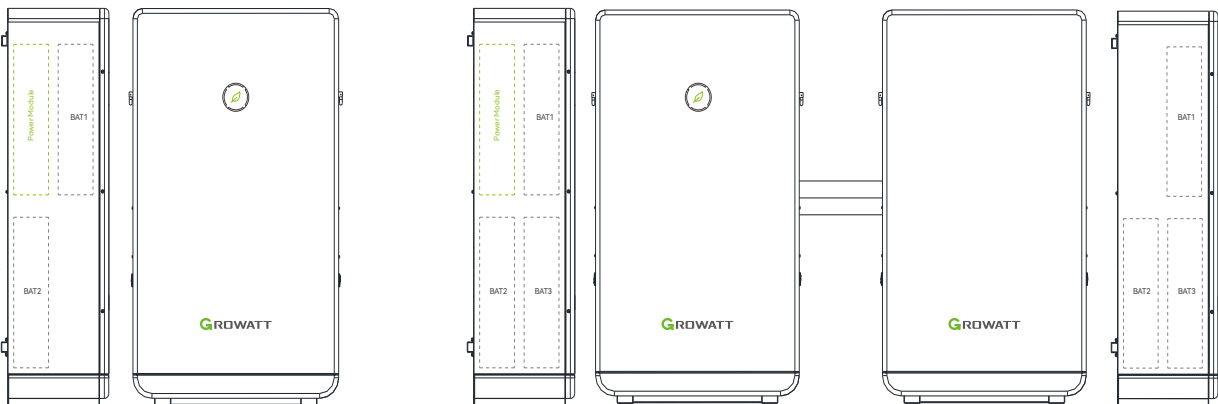


# ARO HV Battery - US

- Compatible with MIN-XH US series battery ready inverter
- Flexible capacity options, 6.6kWh to 19.8kWh
- Excellent safety of LiFePO4 battery
- Cycle life >6000



The ARO supports 2-6 pcs ML33RTA battery modules in parallel connection for 6.6-19.8kWh.



Min.2 in parallel connection

Max.6 in parallel connection with extended cabinet

Datasheet	ARO 6.6H-C1-US	ARO 9.9H-C1-US	ARO 13.2H-C1-US	ARO 16.5H-C1-US	ARO 19.8H-C1-US
<b>System data</b>					
Battery module	ML33RTA (3.3kWh, 51.2V, 30kg)				
Number of modules in parallel	2	3	4	5	6
Battery capacity	6.6kWh	9.9kWh	13.2kWh	16.5kWh	19.8kWh
Weight	213.5lbs/105kg	308.6lbs/140kg	463.0lbs/210kg	529.1bs/240kg	595.2lbs/270kg
Max. charge/discharge power	3500W/3500W	5200W/5200W	5200W/5200W	5200W/5200W	5200W/5200W
Max. charge/discharge current	9.7A@360V	14.3A@360V	14.3A@360V	14.3A@360V	14.3A@360V
Dimensions (W/D/H)	650/320/1160mm (25.6/12.6/45.7in)		2pcs/650/320/1160mm (25.6/12.6/45.7in)		
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)				
Nominal voltage	400V				
Operating voltage range	360-550V				
IP protection	IP56/NEMA Type 4X				
Installation	Floor installation				
Operation temperature	-10-+45°C/14-113°F				
<b>System features</b>					
DC-DC RTE	94.4%				
DoD	90%				
Cycle life	≥6000 cycles				
BMS monitoring parameters	SOC, System voltage, current, cell voltage, cell temperature, PCBA temperature measurement				
Communication port	RS485/CAN				
Warranty	10 Years				
<b>Battery module data</b>			<b>ML33RTA</b>		
Battery capacity	3.3kWh				
Nominal voltage	51.2V				
Operating voltage range	48 - 57.6V				
Max. charging/ discharging current	0.5C/0.66C				
Cycle life	>6000				
Operation temperature	-10-+50°C/14-122°F				
Dimensions without base(W/D/H)	445/131/399.6mm (17.52/5.16/15.73in)				
Weight	30kg/66.14lb				
<b>Certification</b>					
System	UL1973/ FCC Part 15 Class B, UL9540				
Battery module	IEC62619/CE/UL1973/ UN38.3+PI965				

\*The battery storage system can be only used for C&I applications but not residential applications if the capacity is over 20kWh.

\* Nominal charge/discharge current and power derating will occur related to Temperature and SOC