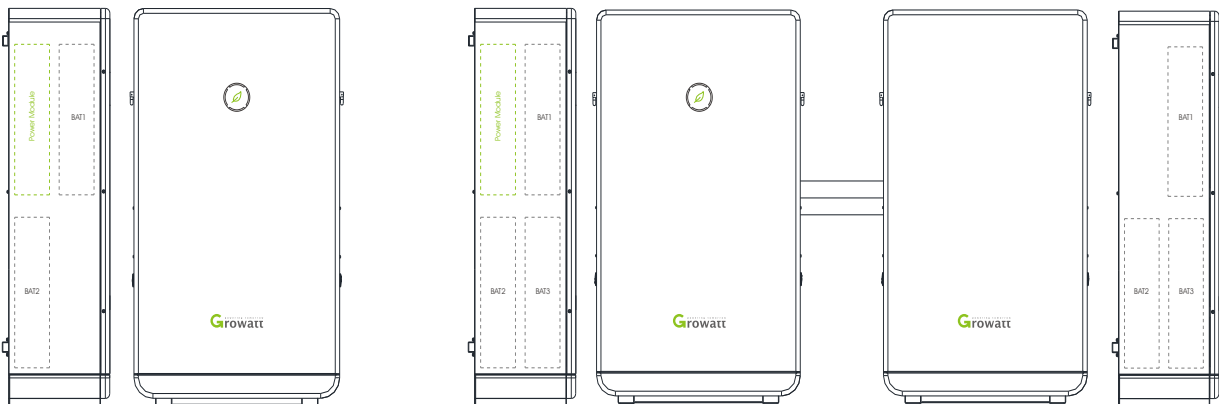


ARO HV Battery System - US

- 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 system 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 6.6HC1-US	ARO 9.9HC1-US	ARO 13.2HC1-US	ARO 16.5HC1-US	ARO 19.8HC1-US
-----------	---------------	---------------	----------------	----------------	----------------

System Data

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	105kg/232lb	140kg/309lb	210kg/596lb	240kg/596lb	270kg/596lb
Max. charge/discharge power	3500W/4000W	5200W/5200W	5200W/5200W	5200W/5200W	5200W/5200W
Max. charge/discharge current	9.7A@360V/13.5A@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				

System features

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

Battery module data ML33RTA

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

Certification

System	UL1973/IEC62619 / FCC Part 15 Class B
Battery module	IEC62619/CE/UL1973/ UN38.3+PI965