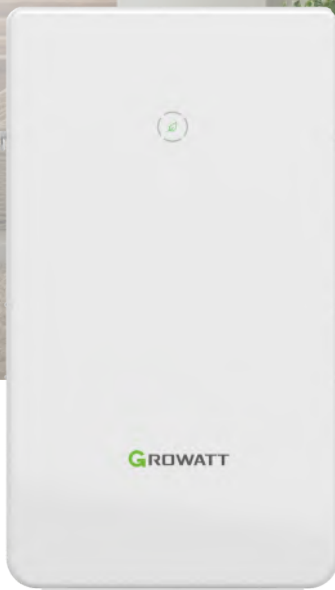
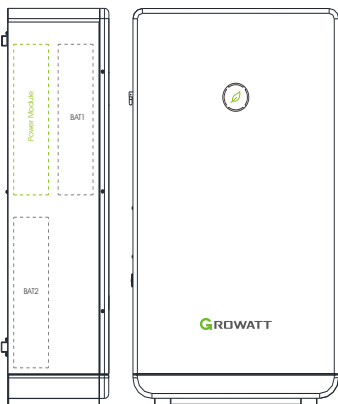


ARO HV Battery System

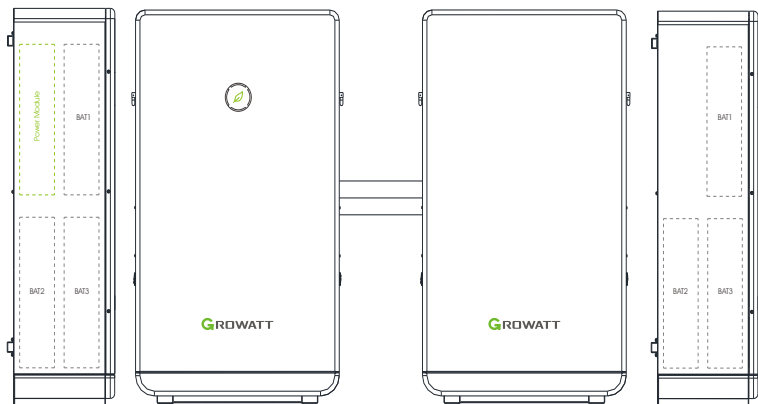
- Compatible with MIN-XH series battery ready inverter
- Flexible capacity options, 6.6kWh to 19.8kWh
- Excellent safety of LiFePO4 battery
- Cycle life > 6000



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 6.6H-C1	ARO 9.9H-C1	ARO 13.2H-C1	ARO 16.5H-C1	ARO 19.8H-C1
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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	140kg	210kg	240kg	270kg
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		2pcs/650/320/1160mm		
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)				
Nominal voltage	400V				
Operating voltage range	360-550V				
IP protection	IP56				
Installation	Floor installation				
Operation temperature	-10-+45°C				

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
Dimensions without base(W/D/H)	445/131/399.6mm
Weight	30kg

Certification

System	EN62477-1 / 61000-6-1/2/3/4/AS62040-1
Battery module	IEC62619/CE/UL1973/ UN38.3+PI965