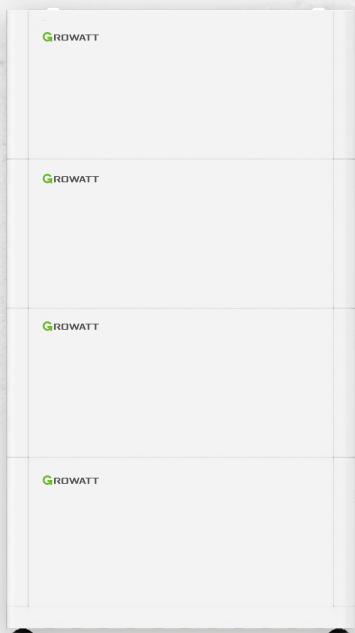


# ALP LV Battery System

- Flexible capacity options, 5kWh to 320kWh
- Excellent safety of cobalt free LiFePO4 battery
- Easy installation with modular and stacked design
- IP66 Suitable for indoor and outdoor use



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Datasheet	ALP 5.0L	ALP 10.0L	ALP 15.0L	ALP 20.0L	ALP 25.0L	ALP 30.0L	ALP 35.0L	ALP 40.0L
System demo								
Battery module	ALP 5.0~40.0L LV Battery System(5.0kWh, 51.2V, 44kg)							
Parallel number	1	2	3	4	5	6	7	8
Model	ALP5.0L-E2	ALP10.0L-E2	ALP15.0L-E2	ALP20.0L-E2	ALP25.0L-E2	ALP30.0L-E2	ALP35.0L-E2	ALP40.0L-E2
Nominal energy	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh	35kWh	40kWh
Rated current	75A	130A	130A	130A	130A	130A	130A	130A
Max current	90A	150A	150A	150A	150A	150A	150A	150A
Rated energy	4.6kWh	9.2kWh	13.8kWh	18.4kWh	23kWh	27.6kWh	32.2kWh	36.8kWh
Dimensions*	690/185/295mm	690/185/590mm	690/185/885mm	690/185/1180mm	690/185/1475mm	690/185/1770mm	690/185/2065mm	690/185/2360mm
Weight** <sup>2</sup>	44Kg	88Kg	132Kg	176Kg	220Kg	264Kg	308Kg	352Kg
<strong>General</strong>								
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)							
Nominal voltage	51.2V							
Voltage range	46.4~57.6V							
IP rating	IP66							
Storage temperature	-20°C~40°C/6 months; 95%RH							
Operating temperature* <sup>3</sup>	-10°C~50°C							
Heating Film	Yes							
Aerosol	Yes							
Cooling method	Natural cooling							
Installation method	Floor/Wall mount							
<strong>Features</strong>								
DoD	92%							
Scalability	Max. 8 PACKs in parallel (Max. 8 clusters in parallel)							
Communication method	CAN							
Warranty: 10 years	Yes							
IEC 62619, IEC 63056, IEC 62040, UI1973, CE+FCC, UKCA, UN 38.3, ROHS, AU-CEC								

\* 1 Height dimension does not include base

\* 2 Weight without base

\* 3 When the temperature is below 0 °C or above 45 °C, the performance will be limited

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

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