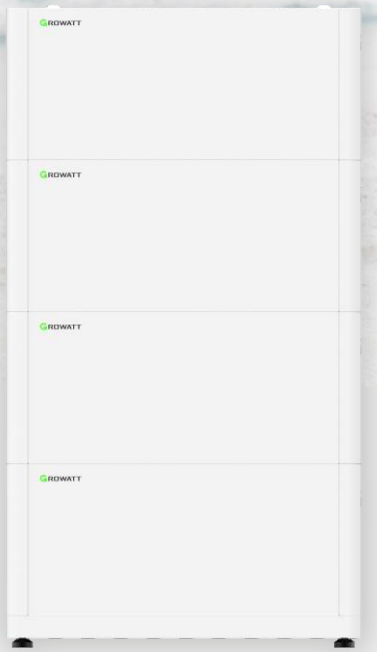
ALP LV Battery System

· Flexible capacity options, 5kWh to 400kWh

· Excellent safety of cobalt free LiFePO4 battery

· Easy installation with modular and stacked design

· IP66 Suitable for indoor and outdoor use



POWER-ING TOMORROW

GROWATT

en.growatt.com

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	ALP 45.0L	ALP 50.0L
System Data										
System demo										
Battery module	ALP 5.0L-E2(5.0kWh, 51.2V, 44kg)									
Parallel number	1	2	3	4	5	6	7	8	9	10
Model	ALP 5.0L-E2	ALP 10.0L-E2	ALP 15.0L-E2	ALP 20.0L-E2	ALP 25.0L-E2	ALP 30.0L-E2	ALP 35.0L-E2	ALP 40.0L-E2	ALP 45.0L-E2	ALP 50.0L-E2
Nominal energy	5kWh	10kWh	15kWh	20kWh	25kWh	30kWh	35kWh	40kWh	45kWh	50kWh
Rated energy	75A	130A	130A	130A	130A	130A	130A	130A	130A	130A
Max current	90A	150A	150A	150A	150A	150A	150A	150A	150A	150A
Dimensions*[1]	690/185/295mm	690/185/590mm	690/185/885mm	690/185/1180mm	690/185/1475mm	690/185/1770mm	690/185/2065mm	690/185/2360mm	690/185/2665mm	690/185/2950mm
Weight*[2]	44Kg	88Kg	132Kg	176Kg	220Kg	264Kg	308Kg	352Kg	396Kg	440Kg
General										
Battery type	Cobalt Free Lithium Iron Phosphate (LFP)									
Nominal voltage	51.2V									
Voltage range	46.4~57.6V									
IP rating	IP66									
Storage temperature	-20℃~40℃/6 months;95%RH									
Operating temperature*3	-10℃~50℃									
Heating Film	Yes									
Aerosol	Yes									
Cooling method	Natural cooling									
Installation method	Floor/Wall mount									
General										
DoD	92%									
Scalability	Max. 10 PACKs in parallel (Max. 8 clusters in parallel)									
Communication method	CAN									
Warranty: 10 years	Yes									
IEC62619, IEC63056, IEC 62040, UL1973, CE+FCC, UKCA, UN38.3, ROHS, AU-CEC										

*1 Height dimension does not include base

*2 Weight without base

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

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

* SHENZHEN GROWATT NEW ENERGY CO.,LTD All rights reserved. Subject to change without notice.