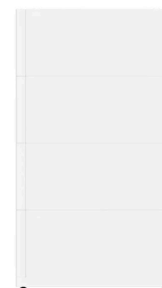


HOME ENERGY STORAGE

ALP LV Battery

Stackable battery · 5 – 50 kWh · 10 models



5 – 50 kWh
ENERGY CAPACITY

51.2 V
NOMINAL VOLTAGE

IP66
PROTECTION CLASS

10 years
WARRANTY

Parameter	Unit	Common to all models
Battery		
Cell type		Cobalt-free lithium iron phosphate (LFP)
Nominal voltage	V	51.2
Operating voltage range	V	46.4 – 57.6
Depth of discharge (DoD)	%	92
Max. expandable energy	Wh	400000
Max. parallel units		10
Max. clusters in parallel		8
Battery module		ALP 5.0L-E2 (5.0 kWh, 51.2 V, 44 kg)
Heating film		Yes
General data		
Ingress protection (IP rating)		IP66
Operating temperature range	°C	–20 – 50
Performance is limited when the temperature is		Below 0 °C or above 45 °C
Storage temperature (up to 6 months, 95% RH)	°C	–20 – 40
Cooling		Natural cooling
Installation		Floor/Wall mount
Fire protection		Aerosol
Warranty	years	10
Communication		
Communication interfaces		CAN
Certifications		
Certifications and standards		IEC 62619; IEC 63056; IEC 62040; UL 1973; CE; FCC; UKCA; UN38.3; RoHS; AU-CEC

Parameter	Unit	ALP 5.0L-E2	ALP 10.0L-E2	ALP 15.0L-E2	ALP 20.0L-E2	ALP 25.0L-E2
Battery						
Nominal energy capacity	Wh	5000	10000	15000	20000	25000
Number of battery modules in parallel (parallel number)		1	2	3	4	5
Rated current	A	75	130			
Max. current	A	90	150			
General data						
Dimensions (W x H x D)	mm	690 × 295 × 185	690 × 590 × 185	690 × 885 × 185	690 × 1180 × 185	690 × 1475 × 185
Weight	kg	44	88	132	176	220

Parameter	Unit	ALP 30.0L-E2	ALP 35.0L-E2	ALP 40.0L-E2	ALP 45.0L-E2	ALP 50.0L-E2
Battery						
Nominal energy capacity	Wh	30000	35000	40000	45000	50000
Number of battery modules in parallel (parallel number)		6	7	8	9	10
Rated current	A	130				
Max. current	A	150				
General data						
Dimensions (W x H x D)	mm	690 × 1770 × 185	690 × 2065 × 185	690 × 2360 × 185	690 × 2665 × 185	690 × 2950 × 185
Weight	kg	264	308	352	396	440