

2. Inverter series



ALP inverter



263MM

263MM



325MM



123MM



123MM

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NINGBO AILEPU ELECTRONIC TECHNOLOGY CO., LTD.

2. Inverter series



Model		AP-200-1	AP-203-1	AP-205-1	AP-205-2	AP-206-1	AP-207-1	AP-208-1
Input	Input format	L+N+PE						
	Rated input voltage	208/220/230/240VAC						
	Voltage Range	154-264VAC±3V (normal mode) 185-264VAC±3V (UPS mode)						
	Frequency Range	50Hz/60Hz(adaptive)						
Output	Rated Output power	1000W	2000W	3000W	3000W	5000W	5500W	10000W
	Output Voltage	208/220/230/240VAC±5%						
	Output Frequency	50/60Hz±0.1%						
	Wave form	Pure sine wave						
	Switching Time(can be designed)	computer equipment 10ms, household appliances 20ms						
	Peak power	2000VA	4000VA	6000VA	6000VA	10000VA	1100VA	20000VA
	Capacity	1min@102%~110% Load						
		10s@110%~130% Load						
		3s@130%~150% Load						
		200ms@>150% Load						
Peak Efficiency (Battery Mode)	>93%	>93%	>94%	>94%	>94%	>94%	>94%	
Battery	Nominal Voltage	12Vdc	24Vdc	24Vdc	24Vdc	48Vdc	48Vdc	48Vdc
	Constant voltage charging voltage (configurable)	14.1Vdc	28.2Vdc	28.2Vdc	28.2Vdc	56.4Vdc	56.4Vdc	56.4Vdc
	Float charge voltage (configurable)	13.5Vdc	27Vdc	27Vdc	27Vdc	54Vdc	54Vdc	54Vdc
Charger	PV charging method	PWM	PWM	MPPT	MPPT	MPPT	MPPT	Dual MPPT
	PV maximum input power	600W	1200W	1500W	3500W	5500W	5500W	5500W+5500W
	MPPT Input Voltage Range	N/A	N/A	30~145Vdc	120~430Vdc	120~430Vdc	120~450Vdc	120~450Vdc
	Optimal Vmp Operating Range	N/A	N/A	30~115Vdc	300~340Vdc	300~340Vdc	370~430Vdc	370~430Vdc
	Maximum PV input voltage	55Vdc	80Vdc	145Vdc	450Vdc	450Vdc	450Vdc	450Vdc
	Maximum PV charging current	50A	50A	60A	60A	100A	100A	100A+100A
	Maximum Mains Charging Current	50A	50A	60A	60A	100A	100A	100A+100A
	Maximum charging current	100A	100A	120A	60A	100A	100A	100A+100A
LCD	LCD	Can display operating mode/load/input/output etc.						
communication	RS232	5PIN/Pitch2.0mm, Baud rate 2400						
	Expansion slot communication interface	2×5PIN/Pitch2.54mm, lithium battery BMS communication card, WIFI card, dry contact card, etc.						
	Parallel interface	No parallel function	No parallel function	parallel function	parallel function	parallel function	No parallel function	
Environment Specification	Operating ambient temperature	0~40°C						
	Operating environment humidity	20%~95% (no condensation)						
	Storage Temperature	-15~60°C						
	Altitude	Altitude should not exceed 1000m, derate above 1000m, up to 4000m, refer to IEC62040						
	Noise	≤50db						
Physical Parameters	W*D*H (mm)	495*312*125						495x312x250
	Weight(for reference)	TBD	TBD	7.5	TBD	8.5	TBD	TBD
Standard and Certification		EN-IEC 60335-1, EN-IEC 60335-2-29, IEC 62109-1						
*When the output voltage is set to 208VAC, the output power needs to be derated to 90%.								
*Current product specifications are subject to change without further notice								