

ALP off-grid high frequency inverter



312MM

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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 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)						
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	11000VA	20000VA
overload capacity	battery mode: 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%
Nominal Voltage	12Vdc	24Vdc	24Vdc	24Vdc	48Vdc	48Vdc	48Vdc
Constant voltage charging voltage	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
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	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	50A	50A	60A	60A	100A	100A	100A+100A
Maximum Mains Charging Current	50A	50A	60A	60A	100A	100A	100A+100A
Maximum charging	100A	100A	120A	60A	100A	100A	100A+100A
LCD	Can display operating mode/load/input/output etc.						
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	No parallel function	parallel function	parallel function	parallel function	No parallel function
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						
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						