

KAIXENTEC

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NOMAD SERIES

Modular. Mobile. Mission-Ready.

Nomad	600
Nomad	1200
Nomad	3600



Power Where You Need It

- High-efficiency LiFePO₄ batteries for long-lasting reliability
- Models range from 600W to 3600W inverter output
- Pure sine wave AC power – safe for sensitive electronics
- Modular expansion up to 12.2 kWh with Nomad 3600
- Built-in MPPT solar controller for optimized solar input

Rugged and Ready

- Shock-resistant ABS/PC enclosur
- Flame-retardant materials
- Reinforced corners and integrated handles
- Nomad-3600 includes trailer-ready wheels and frame

Smart Control & Versatile Output

- Bluetooth & Wi-Fi connectivity for remote monitoring
- Full-color HD LCD screen with live energy readouts
- Multiple output ports: USB-A, USB-C, DC, XT60, 220V AC
- Charge and power up to 12 various devices simultaneously
- Intelligent BMS with fault monitoring and protection

Off-Grid Freedom

- Supports AC, DC, and solar charging
- Optional portable solar bags (130W–280W)
- Lightweight, foldable, and waterproof panels
- Ideal for camping, RVs, marine, festivals, field work, or construction
- Silent operation with zero emissions

Nomad 600 Series Technical Parameters



Model	Nomad 600		
Items	JP	USA	EU/AU/ZA/UK/CN
Nominal Capacity	556.8 Wh (19.2 V / 29 Ah)		
Dimensions (W x D x H)	288 × 155 × 240 mm		
Weight	7.5 kg		
Inverter waveform	Pure Sine Wave		
Input			
DC	22 V / 5.45 A, Max 120 W		
Type-C	20 V / 5 A, Max 100 W		
AC Output			
AC Inverter	600W total (*2)		
Nominal Output Voltage	100 VAC	120 VAC	220-240 VAC
Nominal Output Frequency	60 Hz	60 Hz	50 Hz
Peak Power	750 W	750 W	1 200 W
Nominal Power	600 W		
DC Output			
1 * USB-C	PD 100 W (5 V / 9 V / 12 V / 15 V / 20 V, Max. 5A)		
3 * USB-A	18 W (5 V / 3 A, 9 V / 2 A, 12 V / 1.5 A)		
1 * Car Socket	13 V / 10 A		Total share 10 A Max
2 * DC5521	13 V / 3 A		

* The actual product may differ slightly from the pictures.

* The specifications are subject to change without prior notice.

Nomad 1200 Series Technical Parameters

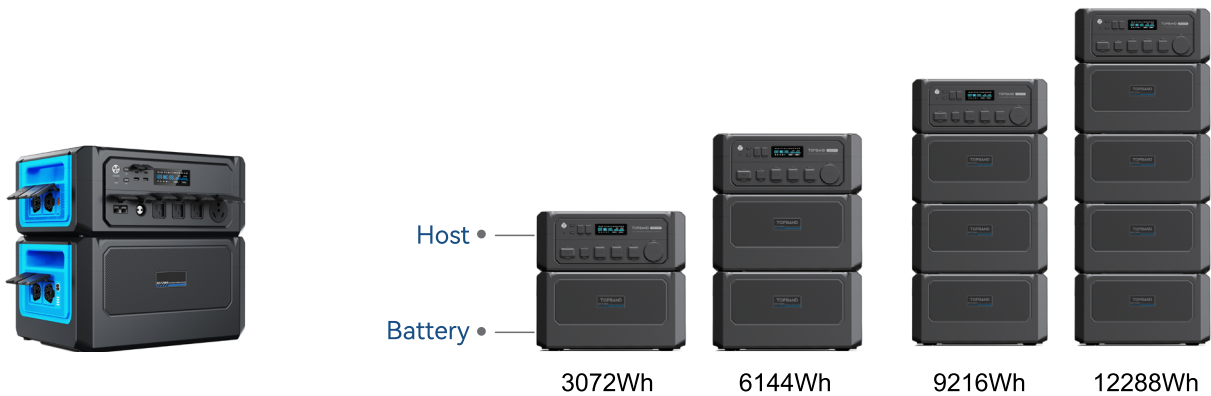


Model		Nomad 1200	
Items	JP	USA	EU/AU/ZA
Nominal Capacity	1152 Wh (25.6 V / 45 Ah)		
Dimensions (W x D x H)	365.4 × 235 × 274.5 mm		
Weight	13 kg		
Inverter waveform	Pure Sine Wave		
Input			
AC	90–120 VAC (50/60 Hz), Max. 700 W		200–240 VAC (50/60 Hz), Max. 700 W
XT60	11.5 V – 55 V, Max. 550 W		
DC5521	12 V / 10 A, 24 V / 10 A		
AC Output			
AC Inverter	1200 W total (*3)		
Nominal Output Voltage	100 VAC	120 VAC	220-240 VAC
Nominal Output Frequency	50/60 Hz	50/60 Hz	50/60 Hz
Peak Power	2 400 W		
Nominal Power	1 200 W		
DC Output			
2 * USB-C	PD 100 W (5 V / 3 A, 9 V / 3 A, 12 V / 3 A, 15 V / 3 A, 20 V / 5 A)		
2 * USB-A	18 W (5 V / 3 A, 9 V / 2 A, 12 V / 1.5 A)		
1 * Car Socket	13 V / 8 A, Max 100 W		Total share 8 A Max
2 * DC5521	13 V / 8 A, Max 100 W		

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Nomad 3600 Series Technical Parameters



Model		Nomad 3600	
Items	JP/US		EU/AU
Host Parameter			
Housing	ABS + PC		
Dimensions (W x D x H)	465 × 306 × 193 mm		
Weight	11.5 kg		
Input			
XT60	11.5 V – 60 V, Max. 1000 W		
Battery Expansion	40 V – 51.2 V / 90 A Max.		
AC Input	100–120 V / 15 A / Max. 1800 W (50/60Hz)	220–240 V / 15 A / Max. 1800 W (50/60Hz)	
Output			
Rated Output Voltage	100–120 V / 20 A / Max. 3600 W (50/60Hz)	220–240 V / 15 A / Max. 3600 W (50/60Hz)	
TT30 * 1	100–120 V / 30 A / Max. 3600 W (50/60Hz)	---	
Peak Power	5 400 W	7 200 W	
Peak Power	2 400 W		
DC Output			
2 * USB-C	PD 100 W (5 V / 9 V / 12 V / 15 V / 20 V, Max. 5 A)		
2 * USB-A	18W (5 V / 3 A, 9 V / 2 A, 12 V / 1.5 A)		
1 * Car Socket	13.3 V / 15 A, Max. 199 W		
1 * Anderson Output	13.3 V / 45 A, Max. 665 W		
Battery parameters			
Nominal Capacity	3 072 Wh (51.2 V / 60 Ah)		
Dimensions (W×D×H)	465 × 306 × 249 mm		
Weight	29 kg		
Battery Pack Mode	40138 (LiFePO4)		
Cells Compound Mode	16S3P		
Battery Expansion * 2	40–51.2 V / 90 A Max.		

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Solar Folding Bag Technical Parameters



Items	FSP 280	FSP 100
Open circuit voltage (Voc)	28.96 V $\pm 5\%$	26.064 V $\pm 5\%$
Short circuit current (Isc)	12.74 A $\pm 5\%$	5.62 A $\pm 5\%$
Max. power voltage (Vm)	23 V $\pm 5\%$	19.8 V $\pm 5\%$
Max. power current (Im)	12.17 A $\pm 5\%$	5.05 A $\pm 5\%$
Max. power (Ppm)	280 W $\pm 5\%$	100 W $\pm 5\%$
Fill factor (FF)	80.6%	73.7%
Transformation efficiency (EFF)	24%	22%
No. of cells of connections	80 = 4 $\times$ 5PCS $\times$ 4	36 = 2 $\times$ 6PCS $\times$ 2
NOCT (Nominal operating cell temperature)	47°C ($\pm 2^\circ\text{C}$)	47°C ($\pm 2^\circ\text{C}$)
Temperature range	-10 ~ 65°C	-10 ~ 65°C
Dimensions (unfolded)	663 $\times$ 2349 $\times$ 25 mm	536 $\times$ 1228 $\times$ 25 mm
Dimensions (folded)	663 $\times$ 616 $\times$ 54 mm	536 $\times$ 608 $\times$ 38 mm
Weight	13.56 kg ± 0.3 kg	9 kg ± 0.3 kg



Items	FSP 280 SC	FSP 130 SC
Open circuit voltage (Voc)	27.6 V $\pm 5\%$	24 V $\pm 5\%$
Short circuit current (Isc)	13.39 A $\pm 5\%$	7.15 A $\pm 5\%$
Max. power voltage (Vm)	23 V $\pm 5\%$	20 V $\pm 5\%$
Max. power current (Im)	12.17 A $\pm 5\%$	6.5 A $\pm 5\%$
Max. power (Ppm)	280 W $\pm 5\%$	130 W $\pm 5\%$
Fill factor (FF)	>72.5%	>72.5%
Transformation efficiency (EFF)	22.17%	22.17%
No. of cells of connections	168 = 3 $\times$ 14PCS $\times$ 4	72 = 4 $\times$ 9PCS $\times$ 2
NOCT (Nominal operating cell temperature)	47°C ($\pm 2^\circ\text{C}$)	47°C ($\pm 2^\circ\text{C}$)
Temperature range	-10 ~ 65°C	-10 ~ 65°C
Dimensions (unfolded)	693 $\times$ 2525 $\times$ 25 mm	700 $\times$ 1244 $\times$ 25 mm
Dimensions (folded)	693 $\times$ 660 $\times$ 54 mm	700 $\times$ 616 $\times$ 38 mm
Weight	13.56 kg ± 0.3 kg	9 kg ± 0.3 kg