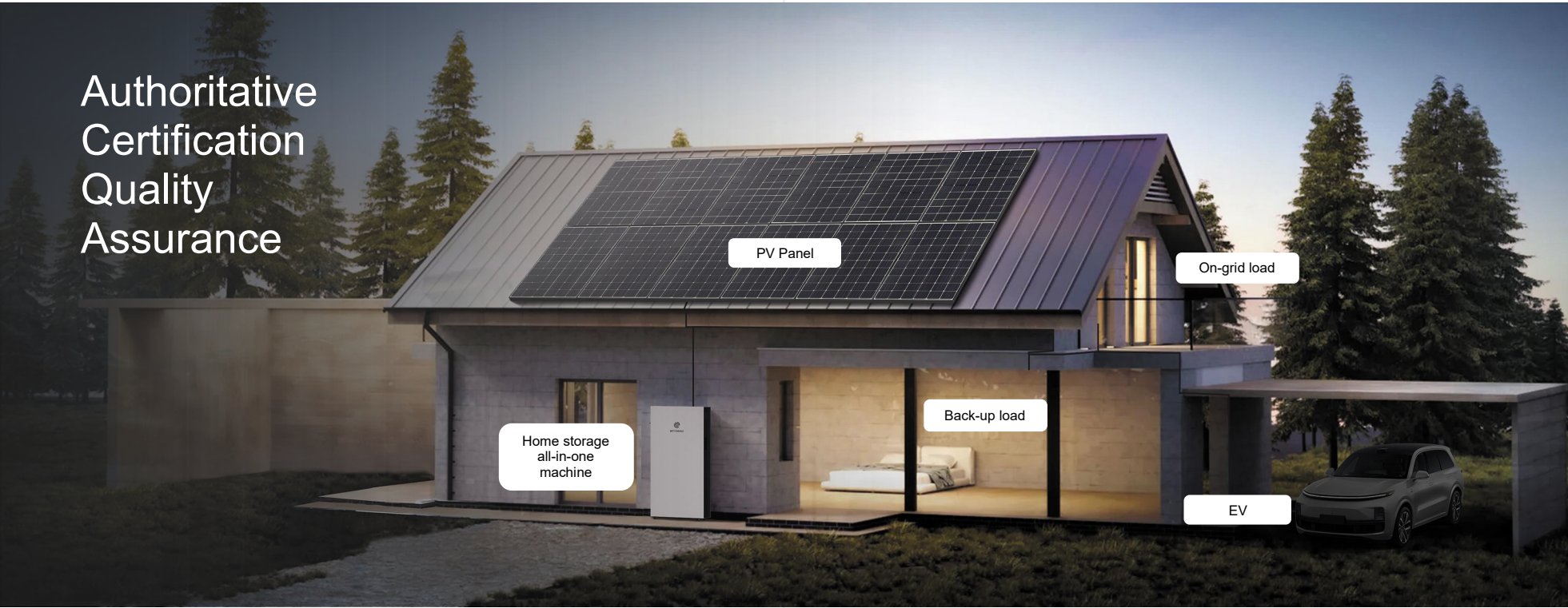




Authoritative
Certification
Quality
Assurance

	Model	AIO-1P8K16-LT	AIO-3P12K16-LT
PV input parameter	Max. PV string power (Wp)	12000	15600
	Max. input voltage (V)	500	800
	MPPT operating voltage range (V)	150-425	200-650
	MPPT quantity	2	2
	Number of input strings per MPPT channel	1	1
Battery parameter	Max. input current of MPPT (A)	26+26	26+13
	Type	LFP	LFP
	Battery capacity (Wh)	16076	16076
	Battery voltage range (V)	46.4~57.6	46.4~57.6
	Max. charging/discharging current (A)	250/250	250/250
On-grid parameter	Cooling method	liquid-cooled	liquid-cooled
	Rated output power (W)	8000	12000
	Grid connection type (V)	L/N/PE, 220/230/240V	3L/N/PE 220/380Vac, 230/400Vac
	Rated grid frequency (Hz)	50/60	50/60
	Max. output current (A)	40	19.1
Off grid parameter	Rated output power (W)	8000	12000
	Rated output voltage (V)	L/N/PE; 220/230/240V	3L/N/PE 220/380Vac, 230/400Vac
	Rated AC frequency (Hz)	50/60	50/60
	Max. output current (A)	40	15.9
	Off grid switching time (ms)	< 10ms	< 10ms
Generals	Dimensions (H * W * D) (mm)	1220×670×188	1330×670×188
	Inverter cooling method	liquid-cooled	liquid-cooled
	Weight (kg)	168	188
	Protection grade	IP65	IP65
	Working temperature (°C)	-20-55	-20-55

Certification: TUV,RoHS,MSDS,UN38.3,IEC62619,CE



AIO-1P8K16-LT

AIO-3P12K16-LT

Fully liquid cooled low-voltage home
storage integrated machine



Smart Cold,
Smart Hot



Industry's first
liquid cooled
inverter



Fast charging
and discharging



Outdoor
installation



Intelligent
temperature
equalization



Built in heat
recovery
module

- Industry first, built-in liquid cooled inverter, with a heat dissipation capacity 25 times that of air cooling, does not reduce capacity in high-temperature areas, and has a longer service life.
- Industry first, the battery adopts liquid cooling technology, which makes the battery safer and has a longer service life.
- Industry first, the whole machine adopts heat recovery technology. In low-temperature environments, the waste heat of the inverter heats up the battery, improving the overall efficiency of the system by more than 20%.
- Industry first, intelligent battery temperature management, cell temperature difference can be controlled within 2 degrees, improving the overall life of the battery.



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