



# NexaWatt 1

## FEATURES



### Extreme Safety

Pursuing safety through integrated processes from product design to manufacturing, quality control, and testing.



### Adaptability

In addition to easy transportation and installation, the liquid cooling system provides high availability and can be combined with many PCSs.



### Flexibility

Able to be used for a variety of purposes, such as imbalance control by installing on the power generation side, grid ancillary, and energy management and BCP support by installing on the demand side.



### Cost Effectiveness

Compared to an air-cooled system with the same capacity, the installation area can be reduced by 30%, with high cost effectiveness due to the long battery life of 10,000 cycles.



Technical parameter		NexaWatt 1
Rated energy		407.34kWh
Cell	Chemistry	LFP
	Specifications	3.2V/306Ah
	Cycle life	6000
	Calendar life	14 years
Battery pack	Combination	1P52S
	Rated voltage	166.4V
	Operating voltage range	130V~187.2V
	Rated energy	50.91kWh
	Temperature difference	≤2%
Battery Rack	Rated voltage	1331.2V
	Operating voltage range	1040V~1500V
Battery Container System	DC round trip efficiency	≥92%
	Rated voltage	1331.2V
	Operating voltage range	1040V~1500V
	Rated C rate	0.5 C
	Max C rate	0.5 C
	Operating temperature range	-25°C to 55°C
	Storage temperature range	-30°C to 60°C
	Relative humidity	<95% (non-condensing)
	Altitude	≤2000m
	Cooling mode	Liquid cooling
	Fire suppression	Aerosol+Heat detector+Smoke detector+Gas detector(Optional)
	Auxiliary power input range	176-264Vac (L-N) 50/60Hz
	Battery management system	3 levels +Passive balance 200mA
	Communication interface	CAN
	Communication protocol	Modbus TCP
	Codes compliance	BMS: IEC/UL60730;UL1973;GB/T 34131-2017 Cabinet: GB/T 36276;UL1973;IEC62619;IEC62477-1;UL9540A;IEC61000-6-2/-4
	Protection level	IP66/NEMA 3R
Dimensions (W*D*H,mm)	1390(W)* 1344.1(D)*2348(H)mm	
Weight	3650±100kg	

\* Specifications are subject to change without prior notice.

