

# UPS Lithium battery solutions



▲ The KGLi-S is designed for SANTAK, INVT, iTeaq, and Jeidar, the big UPS power solutions company. It's with reliable safety performance and long cycle life, compact size, easy to install and maintenance. The system composed by LiFePO4 battery, which is the most safe battery and long cycle life with 3000cycles. The system managed in module and with easy quick plug in installation mode, reduce the Capex. Equipped with multi-grade BMS with network system to realize the battery system smart management, reduce the Opex and ensure the reliable performance.



## ▲ Parameters

	Item	Descriptions
Basic parameters	Model	KGLi-S
	Battery	LiFePO4 battery
	Nominal voltage	36V 48V 96V 192V
	Rated charge voltage	43V 54V 108V 216V
	Max. charge/discharge current	10A/40A continuous discharge, @25°C
	Cycle life	3000次@80% DOD, 25°C
	Nominal capacity	2304Wh@0.2C,25°C
	Weight	2304wh module 28kg high voltage case 15kg
	Dimension (W*D*H exclude components)	2304wh module 442*500*88mm/ high voltage case442*500*88mm
	Self-discharge @25	Shelf time 90 days, self-discharge 5%
	Communication port	RS485; Dry contacts
	Protection functions	over-temperature, over-current, short-circuit, over-charge, over discharge etc.
	Certification	IEC62619, UN38.3
	Designed lifetime	15 years

	Items	Description
Environment	Storage temperature	-20°C~35°C
	Transport temperature	-40°C~60°C
	Operation temperature	Charge: 0°C~45°C; discharge: -20°C~50°C
	Relative humidity	5%~95%
	Altitude	0~4000M (2000 to 4000M, temperature decrease 1°C per 200m)

	Cells	Module	Cabinet
Configuration	1S1P	15S8P	60S8P
Nominal capacity	19.2Wh	2304Wh	23.04kWh
Nominal voltage	3.2Vdc	48Vdc	192Vdc
Working voltage	2.5-3.6Vdc	37.5-54Vdc	150-216Vdc
Dimension	32700	442*500*88mm	600mm*800mm*1200mm (optional)
Weight	0.16kg	approx. 28kg	approx. 150kg

Remark: Dimension of high voltage case 442\*500\*88mm

### Backup time (min)

Load power	Module 1	Module 2	Module 3	Module 4	Module 5	Module 6	Module 7	Module 8
1KW	135	270	405	540	675	810	945	1080
2KW	60	120	180	240	300	360	420	480
3KW	40	80	120	160	200	240	280	320
4KW	30	60	90	120	150	180	210	240
5KW	25	50	75	99	124	149	174	199
6KW	20	40	60	80	100	120	140	160

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