

# SPK-L0512-T1H



- ◆ Suitable for common size ball camera, gun camera with its integrated fixed bracket. Choosing corresponding model according to different features of cameras.
- ◆ With a U-shaped clamp (diameter 80~110 mm), it can be applied to column installation, and will not be loosened when firmly grasped;
- ◆ The lines of this product are connected through the aviation socket which makes it easy to install;
- ◆ This product adopts high-performance controller chip, with lithium battery activation and pre-charge function, real-time battery monitoring and protection, circuit conversion efficiency of more than 80%;
- ◆ Its monitoring indicator can realize the real-time feedback of solar panel, battery, and monitor the working condition, which is convenient to view;
- ◆ This product supports RS485 to communicate with the equipment, support through the equipment real-time access to battery load, remaining power, temperature and other information;
- ◆ The power generation unit of this product adopts high-efficiency monocrystalline silicon wafers, and the efficiency of the whole solar panel reaches more than 20%, with a service life of more than 20 years;
- ◆ The energy storage unit of this product adopts lithium battery, which is safe and reliable, with a depth cycle of more than 2000 times and a service life of more than 5 years;
- ◆ This product adopts the use of fully galvanized rigid material, precision crafted, stable and reliable without shaking;
- ◆ This product adopts waterproof wire head design (IP67), fully consider the outdoor rain and snow weather, short circuit caused by equipment failure;
- ◆ This product supports automatic heating on below 0 °C, no strike in low temperature areas;
- ◆ Working temperature: discharge temperature (-20~55°C), charging temperature (-20°C~55°C).

Components		Specifications		
Solar panel	Solar cell		156 ( MONO )	
	Power		120W±3%	
	Open circuit voltage		21V	
	Operating voltage		18V	
	Maximum operating current		6.66A	
	conversion efficiency		21.8%	
	Glass specification		3.2mm	
	Applicable environment		-40°C ~ 85°C	
	Hail impact test		23m/s ,7.53g	
Battery	Battery cell		Lithium iron phosphate	
	Rated capacity		52Ah ( 0.5C@ RT )	
	Battery rated voltage		3.2V	
	Cell series and parallel connection methods		4S1P	
	Rated capacity		50Ah(640Wh)	
	Rated voltage		12.8V	
	Battery internal resistance		≤ 50mΩ (tested at AC 1khz)	
	Charging mode		Constant current/constant voltage	
	Charging cut-off voltage		14.6±0.05V	
	Discharge cut-off voltage		11±0.05V	
	Output voltage		DC : 11~14.6V	
	Standard charging current		8A	
	Max. continuous discharge current		8A	
	Max. Output power		40W	
	Max. instantaneous discharge current		25A	
	Dimensions (L×W×H)		535×80×160 mm	
	Storage temperature		With 40~50% capacity , less than 6 months (0°C ~+35°C)	
	Operating temperature		Charge: -20°C~55°C , Discharge: -20°C~55°C	
	Cycle life		≥2000 cycles (@0.5C 25°C )	
	Communication		RS485	
Heating function		Support		
Controller	Charge	Charging mode		Dc charging
		Max. charging current		8A
		System voltage		12V
		Over voltage		25V
	Discharge	Max. discharge current		8A
		Battery Over-discharge voltage		10.5V
		Battery Overcharge voltage		14.6V
		Over-discharge Recovery voltage		12.5V

	Self consumption	Sleeping mode	≤200uA
		Operating mode	≤20mA
Other	Environmental reliability Indicators		-20℃~65℃, humidity less than 90%; Protection grade: IP67
	Wind resistance Class		Class 12
	Cargo Transportation Condition Assessment		Dangerous goods, MSDS, UN38.3
	installation methods		Holding ring+bolt bracket
	Waterproof Rating		IP67
	Package size		Battery : 652mm*315mm*223mm, 12.3Kg
			Solar panels:1065*740*100mm, 9.4Kg
	Gross weight		21.7Kg
Net weight		18.4Kg	
Certification	Safety		CE
	Environmental protection		ROSH 2.0

**DIMENSIONS**

Size: mm

