

Solar Power Storage System



Feature

- 1) Rechargeable battery pack with over-voltage, over-charging current, over-discharge voltage, over-discharge current, over temperature, short circuit and battery-balancing system .
- 2) High-density high safety lithium iron phosphate batteries.
- 3) High- temperature discharge performance , long life , better than lead-acid batteries.
- 4) Self-discharge rate of less than 1% , and 20% more energy efficient than lead-acid batteries .
- 5) High- precision computing power , the error is less than 5 percent , to fully grasp the battery health and replace the timing.
- 6) With RS232, RS485 communication output and monitoring software, to keep the battery level and frequency of use.
- 7) With an intelligent charging circuit , generally acceptable lead-acid battery charger , lead-acid battery is easy to replace .
- 8) Single battery mining 2U chassis , rack-mount design, small size, light weight, about one-third the weight of lead-acid batteries or volume ratio.
- 9) Storage cabinet (15U) 6 groups of maximum parallel battery pack (48V/180AH/8640WH).
- 10) The battery pack in parallel , may in any case the voltage difference between different parallel expansion easy, simple maintenance.



Specifications: single battery pack

Battery chemistry LiFePO4

Specifications	Typical	Unit	Specifications	Typical	Unit
Rated voltage	48	V	Offline mode power consumption	50	μ A
Rated capacity	30	AH	Cycles	≥ 1000	Cycle
Voltage	57.6	V	Maximum charge current	15	A
Discharge cut-off voltage	37	V	Over-discharge protection current	60	A
Maximum charge current	15	A	Long	52.5	Cm
Max continuous discharge current	50	A	Width	44	Cm
Operating temperature range	-20~60	$^{\circ}$ C	High	9	Cm
Work mode power consumption	6	mA	Weight	20	Kg

Solar Power Storage System: 15U

Maximum number of parallel	6	Wide	60cm
Long	60cm	High	75cm



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