

ELECTRICAL PERFORMANCE

Model	OP12V230
Nominal Voltage	12.8V
Nominal Capacity	230 Ah
Energy	2944 Wh
Resistance	< 50mΩ
Self Discharge	< 3%
Cells	3.2V 230Ah Cells

CHARGE PERFORMANCE

Recommended Charge Current	50 A
Maximum Charge Current	200 A
Recommended Charge Voltage	14.6V
BMS Charge Cut-Off Voltage	> 14.6V
Reconnect Voltage	< 14.4V
Balancing Cell Voltage	> 3.45V (Cell difference >50mV)

DISCHARGE PERFORMANCE

Maximum Continuous Dishcharge Current	200 A
BMS Discharge Cut-Off Current	205 A (1000ms)
BMS Discharge Cut-Off Voltage	<10V (3s)
Reconnect Voltage	>10.8 V
Short Circuit Protection	400 μs



MECHANICAL PERFORMANCE

Dimension (LxWxH)	186x283x300mm
Approx. Weight	25 Kg
Terminal Type	M8x2
Terminal Torque	106 ~ 132 in-lbs (12 ~ 15 N·m)
Case Material	Steel
Recommended Connection Wire	2 AWG

TEMPERATURE PERFORMANCE

Temperature Sensor Quantity	4 pcs
Discharge Temperature	- 20 ~ 65 °C
Charge Temperature	- 5 ~ 55 °C
Storage Temperature	- 5 ~ 35 °C
BMS High Temperature Cut-Off	65 °C
Reconnect Temperature	60 °C

PRODUCT VIEW



Lithium Upgrade and Install Tips

- Consult with your battery supplier or dealer to confirm compatibility with your system components, including converters, solar charge controllers and inverter chargers.
- Only purchase lithium batteries that have a Battery Management System built in.
- Confirm that your new battery bank can handle the loads of your system before buying it.

Benefits

- At least double the power in the same physical space of lead acid.
- Can be discharged 100% vs lead acid recommended 50% depth of discharge.
- Can be installed indoors with no hydrogen gases generated, also no terminal corrosion.
- About 1/5 the weight of a lead acid battery, resulting in a significant weight reduction over your current battery bank.
- Output voltage is flat during most of the discharge cycle, increasing efficiency of your system.
- Can be charged up to 5 times faster than lead acid.
- Last 10 times longer than lead acid.
- Holds a charge for up to 1 year (without a load) without the need for a trickle charger. Great for unattended storage.

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