



HUSKY 2

FHSKY-XX051-G2



FEATURES

- CANBus/RS485 communications
- Self-heating function
- IP65 protection rating
- LED State of Charge indicator
- Smart BMS with auto-cell balancing

SYSTEM PARAMETERS

Note: Bulk, Absorption, Float, and Equalize are not applicable to lithium batteries but are included here with the correct numbers to input into your charge controller as they are our most commonly requested parameters.

SKU	FHSKY-24051-G2	FHSKY-48051-G2
System Voltage	24V	48V
Charge Voltage	28.5V	57V
Bulk Voltage	28.5V	57V
Absorption Voltage	28.5V	57V
Absorption Time	0 minutes	0 minutes
Float Voltage	27.5V	55V
Equalize	Off	Off
Low Voltage Cutoff	24V	48V
High Voltage Cutoff	28.8V	57V
Suggested Inverter Low Voltage Setting	25.4V	50.8V



FREQUENTLY ASKED QUESTIONS

How do I connect this battery into my existing system?

These batteries use a standard M8 terminal. This battery can be connected directly to the on-board wiring system. You may also purchase additional cables from BigBattery.

How many times can I put this battery in parallel/series?

These batteries are not series capable but can be connected in parallel up to sixteen times. Make sure that the total amount of these batteries in your configuration never exceeds eight total batteries. When connecting batteries in parallel, ensure all batteries are within 1 volt of one another.

How long will my battery last, and what do I do at the end of its life?

Lithium iron phosphate (LiFe-PO₄) batteries can be cycled from 3500 - 5000 times. If you cycle the battery daily then you can get more than 10 years of use from your battery. When your battery is at the end of its lifespan, contact us and we'll recycle it for you, free of charge!

Email: sales@hikotechnicalservices.com

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BATTERY SPECIFICATIONS



SKU	FHSKY-24051-G2	FHSKY-48051-G2
System Voltage	24V	48V
Nominal Voltage	25.6V	51.2V
Chemistry	LiFePO4	LiFePO4
kWh Capacity	5.12 kWh	5.12 kWh
Ah Capacity	200 Ah	100 Ah
Charging Voltage Range	27.8V - 28V	55.6V - 57V
Max Charge Voltage	29.2V	58.8V
Operating Voltage Range	24V - 28.8V	48V - 57V
Suggested Low Voltage Cutoff	24V - 25.4V	48V - 50.8V
BMS Cutoff Range	21V - 23.5V	42V - 47V
Cell Configuration	8S	16S
Max Continuous Discharge Current	200A	150A
Max Continuous Power	5120W	7500W
Max Discharge Peak Current	300A (Max 5 seconds)	225A (Max 5 seconds)
Max Charge Current	150A	100A
Charge Temperature Range	-4°F - 113°F (-20°C - 45°C)	-4°F - 113°F (-20°C - 45°C)
Discharge Temperature Range	-4°F - 131°F (-20°C - 55°C)	-4°F - 122°F (-20°C - 50°C)
Optimal Discharge Temp. Range	59°F - 95°F (15°C - 35°C)	59°F - 95°F (15°C - 35°C)
Storage Temperature Range	-4°F - 113°F (-20°C - 45°C) (Max 6 months)	-4°F - 122°F (-20°C - 50°C) (Max 6 months)
Dimensions (DxWxH)	12.6 x 18.1 x 9.8 in (320 x 460 x 249 mm)	12.6 x 18.1 x 9.8 in (320 x 460 x 249 mm)
Weight	95 lbs (43.1 kg)	100 lbs (45.4 kg)
Max Connections	Up to (16) Parallel	Up to (16) Parallel
Protection Rating	IP65	IP65
Communications	CANBus / RS485	CANBus / RS485
Heating Function	Yes	Yes