

# HUSKY 2 INV

FHSKY-XX051-G2-INV

## FEATURES

- CANBus / RS485 communications
- Self-heating function
- IP65 / NEMA 4X protection rating
- LED State of Charge indicator
- Smart BMS with auto-cell balancing

## SYSTEM PARAMETERS

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

MODEL	FHSKY-12051-G2-INV	FHSKY-24051-G2-INV	FHSKY-48051-G2-INV
System Voltage	12V	24V	48V
Charge Voltage	14.25V	28.5V	57V
Bulk Voltage	14.25V	28.5V	57V
Absorption Voltage	14.25V	28.5V	57V
Absorption Time	0 minutes	0 minutes	0 minutes
Float Voltage	13.75V	27.5V	55V
Equalize	Off	Off	Off
Low Voltage Cutoff	12V	24V	48V
High Voltage Cutoff	14.4V	29.2V	57.6V
Recc. Inverter Low Voltage Setting	12.7V	25.4V	50.8V
Inverter Communication	Victron Only	Victron Only	Check Below

### 48V Inverter Comms Compatibility:

Growatt, LuxPower, Schneider, Inhenery, Voltronic, Sol-Ark, Deye, Megarevo, SMA, Solis, Afore, Studer

**Note:** These batteries are not meant for mobility systems.

## CONTACT US

**Phone:** (818)280-3091 **Email:** Sales@BigBattery.com

**Hours:** Monday - Friday, 9:00 AM - 5:00 PM PST

**Address:** 400 Maple St, Commerce, TX, 75428



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HUSKY 2 User Manual



## 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 sixteen total batteries. When connecting batteries in parallel, ensure all batteries are at the same voltage.

### 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 12 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!

# BATTERY SPECIFICATIONS



12V



24V



48V

SKU	FHSKY-12051-G2-INV	FHSKY-24051-G2-INV	FHSKY-48051-G2-INV
System Voltage	12V	24V	48V
Nominal Voltage	12.8V	25.6V	51.2V
Chemistry	LiFePO4	LiFePO4	LiFePO4
kWh Capacity	5.12 kWh	5.12 kWh	5.12 kWh
Ah Capacity	400 Ah	200 Ah	100 Ah
Charging Voltage Range	13.9V - 14V	27.8V - 28V	55.6V - 57V
Max Charge Voltage	14.4V	29.2V	57.6V
Operating Voltage Range	12V - 14.4V	24V - 28.8V	48V - 57V
Suggested Low Voltage Cutoff	12V - 12.7V	24V - 25.4V	48V - 50.8V
BMS Cutoff Range	10.5V - 11.75V	21V - 23.5V	42V - 47V
Cell Configuration	4S	8S	16S
Max Cont. Discharge Current	300A	200A	150A
Max Continuous Power	5120W	5120W	7500W
Max Discharge Peak Current	350A (Max 5 seconds)	300A (Max 5 seconds)	225A (Max 5 seconds)
Max Charge Current	200A	150A	100A
Charge Temperature Range	-4°F - 113°F	-4°F - 113°F	-4°F - 113°F
Discharge Temperature Range	-4°F - 131°F	-4°F - 131°F	-4°F - 122°F
Optimal Discharge Temp. Range	59°F - 95°F	59°F - 95°F	59°F - 95°F
Storage Temp. Range (SoC >50%)	-4°F - 113°F (Max 6 months)	-4°F - 113°F (Max 6 months)	-4°F - 122°F (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)	12.6 x 18.1 x 9.8 in (320 x 460 x 249 mm)
Weight	100 lbs (45.4 kg)	100 lbs (45.4 kg)	100 lbs (45.4 kg)
Max Connections	Up to (16) Parallel	Up to (16) Parallel	Up to (16) Parallel
Protection Rating	IP65 / NEMA 4X	IP65 / NEMA 4X	IP65 / NEMA 4X
Communications	CANBus / RS485	CANBus / RS485	CANBus / RS485
Heating Function	Yes	Yes	Yes