



# HUSKY 2 PWR

FHSKY-48051-G2-PWR

The 48V 5kWh HUSKY 2 (High Power Version) is a durable and high-performance LiFePO<sub>4</sub> battery designed for low-voltage applications like golf carts, boats, and ATVs and more. Each 5.12kWh module supports easy expansion up to 80kWh and includes advanced safety, monitoring, and communication features for seamless integration into larger systems.

## FEATURES

- Lithium Iron Phosphate (LiFePO<sub>4</sub>) chemistry with advanced BMS
- Expandable up to 80kWh via simple parallel connections
- Built-in heating, fire suppression, and multi-layer safety protection
- Impact-resistant, water-resistant, and well-insulated ABS enclosure
- Standard M8 power connectors and RJ-45 ports
- CAN bus and RS-485 for parallel communication
- LED SOC meter, external SOC option, and mobile monitoring app
- IP65 / NEMA 4X protection rating
- Smart BMS with auto-cell balancing
- Self-heating function

**Note:** This battery can't communicate with any inverter.

## CONTACT US

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

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



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48V 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 (LiFePO<sub>4</sub>) 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



**48V**

SKU	FHSKY-48051-G2-PWR
System Voltage	48V
Nominal Voltage	51.2V
Chemistry	LiFePO4
kWh Capacity	5.12 kWh
Ah Capacity	100 Ah
Charging Voltage Range	55.6V - 57V
Max Charge Voltage	57.6V
Operating Voltage Range	48V - 57V
Suggested Low Voltage Cutoff	48V - 50.8V
BMS Cutoff Range	42V - 47V
Cell Configuration	16S
Max Cont. Discharge Current	160A
Peak Discharge Current	350A (Max 10 seconds)
Instantaneous Current	800A (Max 0.1 ms)
Max Charge Current	100A
Charge Temperature Range	-4°F - 160°F
Discharge Temperature Range	-4°F - 160°F
Optimal Discharge Temp. Range	59°F - 95°F
Storage Temp. Range (SoC >50%)	-4°F - 122°F (Max 6 months)
Dimensions (DxWxH)	12.6 x 18.1 x 9.8 in (320 x 460 x 249 mm)
Weight	100 lbs (45.4 kg)
Max Connections	Up to (16) Parallel
Protection Rating	IP65 / NEMA 4X
Communications	CANBus / RS485
Heating Function	Yes