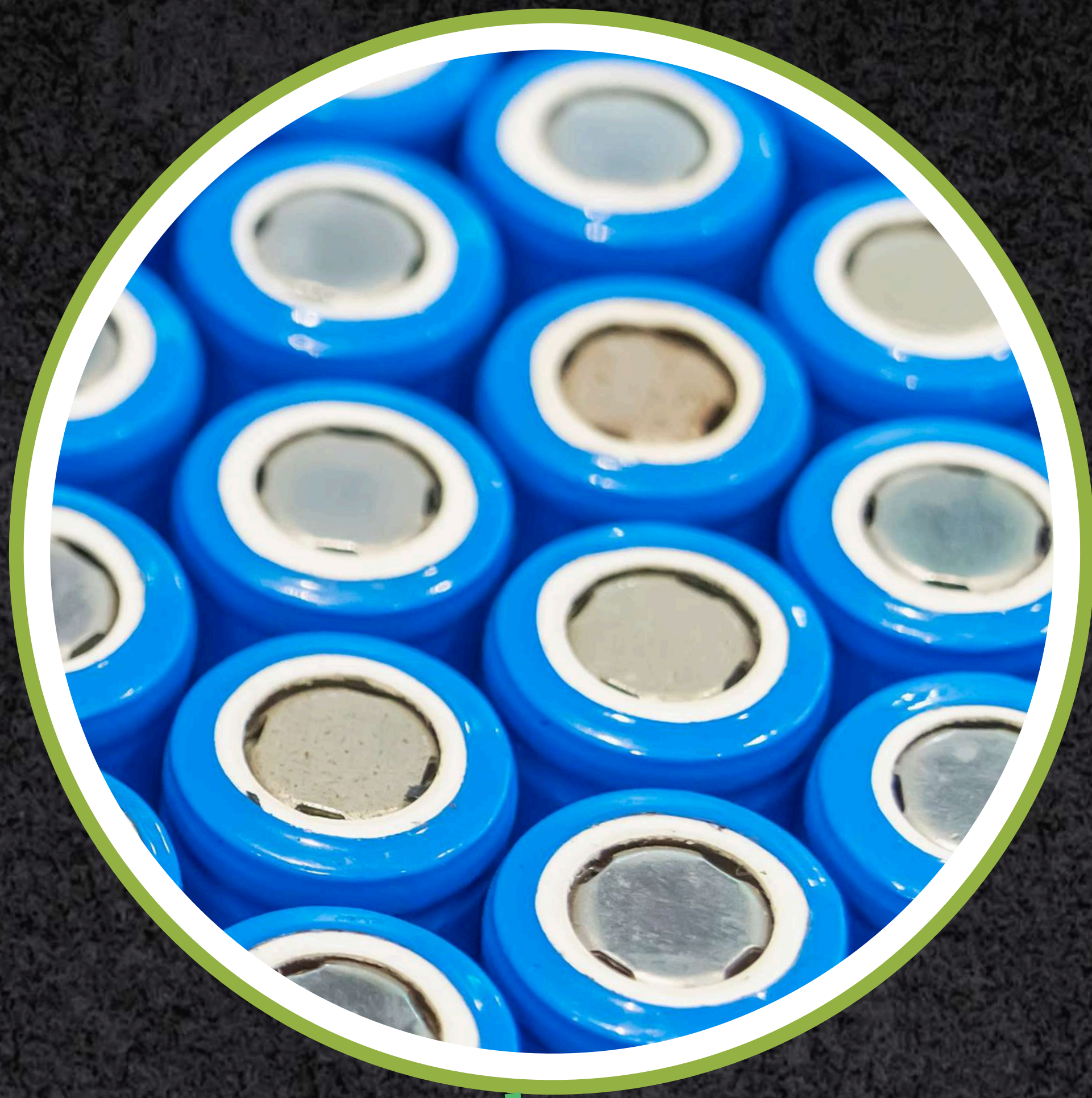


DAFE Grade-A Sodium-Ion Battery

- Manufactured with grade A sodium-ion cells, it ensures excellent cycle expectancy under varied and high loads.
- Suitable for domestic use and home inverters



**3,000 – 6,000 cycle Times @
different DOD 8 years lifetime**



12V 200Ah Sodium-Ion Battery

Low - cost materials and the abundant availability of sodium



High
Performance



Environmentally
Friendly



Cost
Effective



Enhanced
Safety

12V 100Ah Sodium-Ion Battery

Low - cost materials and the abundant availability of sodium



High
Performance



Environmentally
Friendly



Cost
Effective

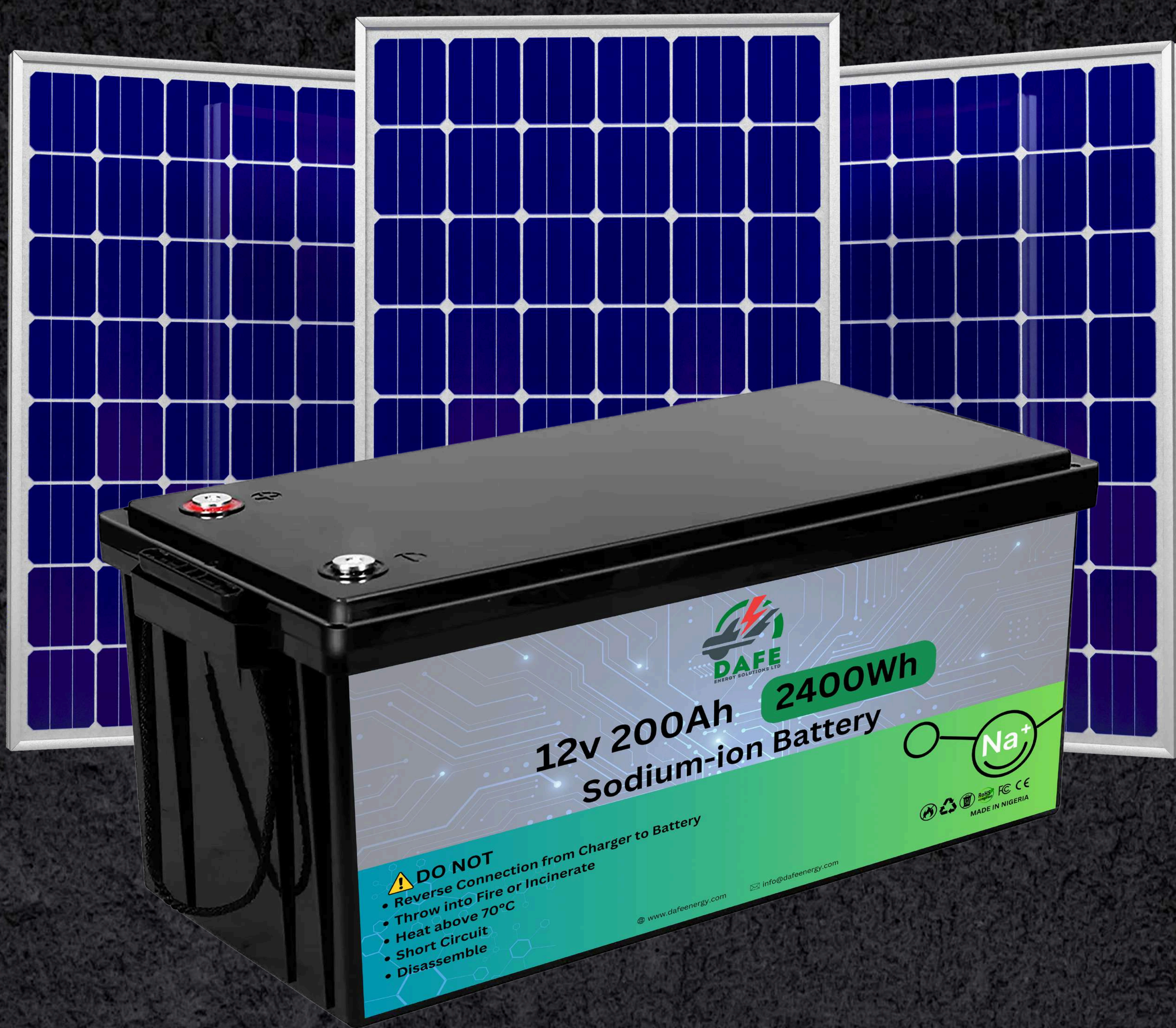


Enhanced
Safety

High Performance in Extreme Temperatures



Excellent Capacity & Energy Retention Rates



**12v 200Ah 2400Wh
Sodium-Ion Battery**



**12v 100Ah 1200Wh
Sodium-Ion Battery**

Outdoor Back Up



Laptop(58.2W)

41.2 Hours



Electric Grill(1000W)

2.4 Hours



Portable Freezer(45W)

53.2 Hours



Hair Dryer(1875W)

1.2 Hours



Foldable Kettle(700W)

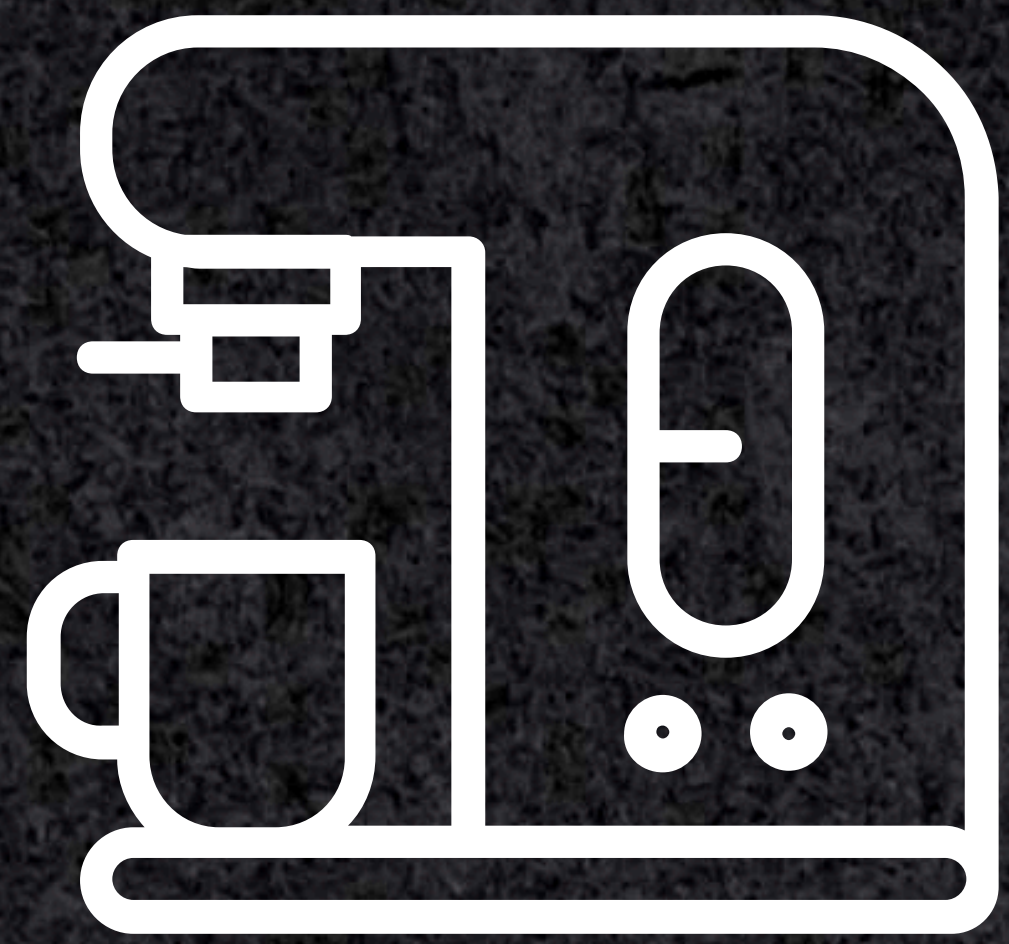
3.2 Hours



Blender (1000W)

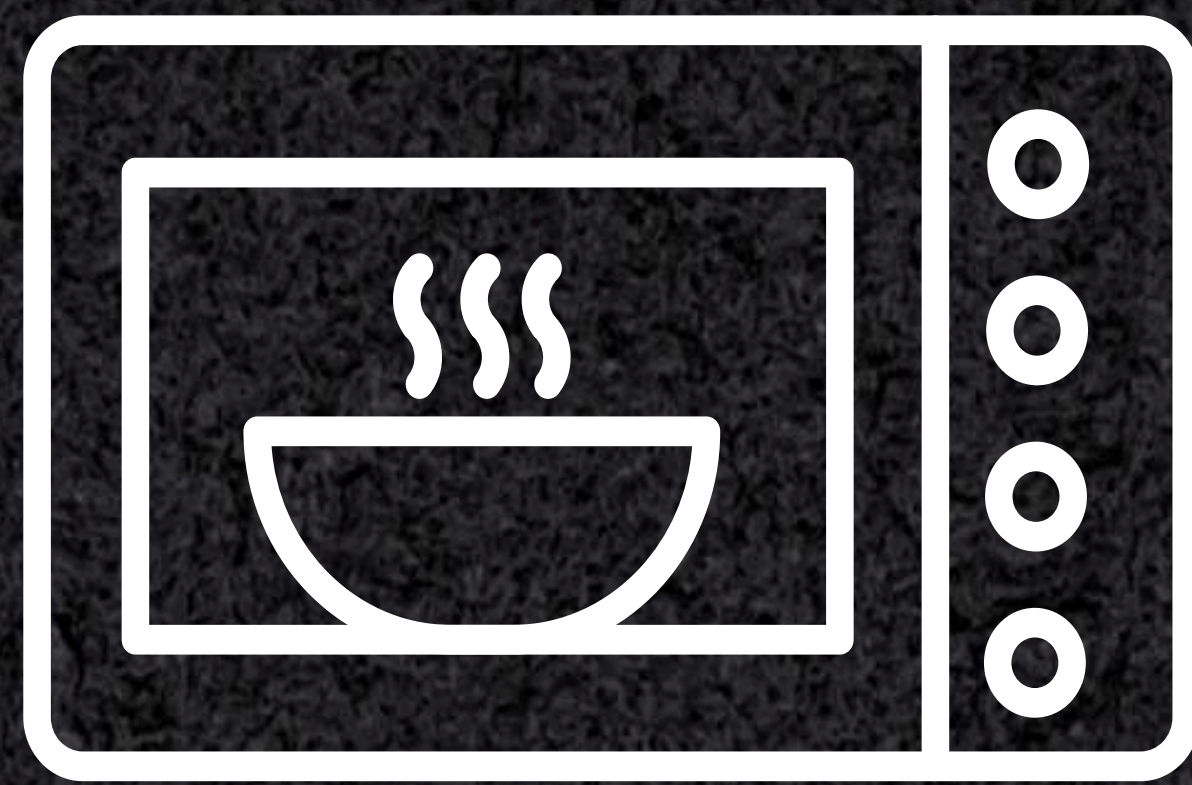
2.4 Hours

Home Back Up



Coffee Maker (1000W)

2.4 Hours



Microwave(700W)

3.4 Hours



Refrirator(360W)

6.6 Hours



TV (105W)

22.8 Hours



Washing Machine(1200W)

2 Hours

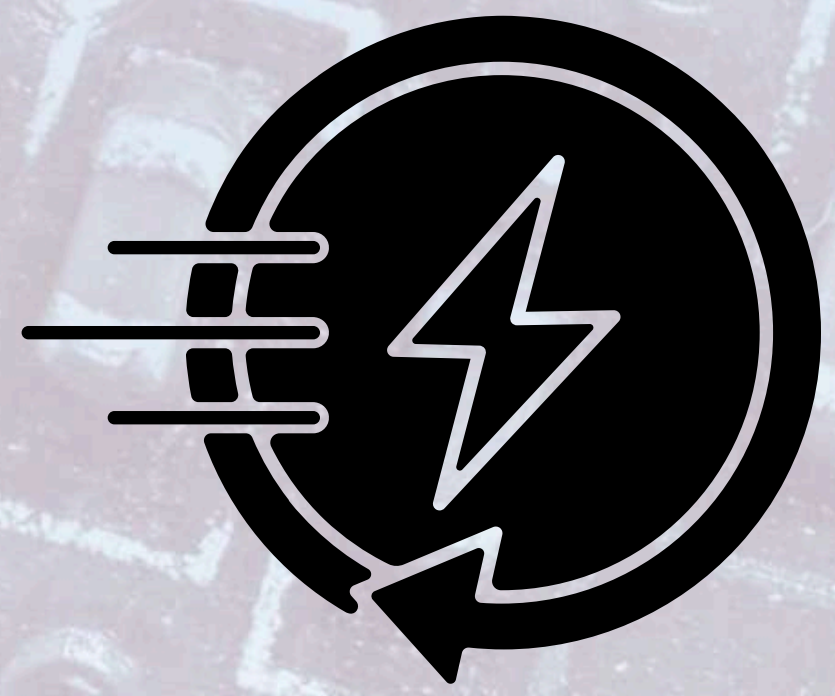


Air Fryer(1000W)

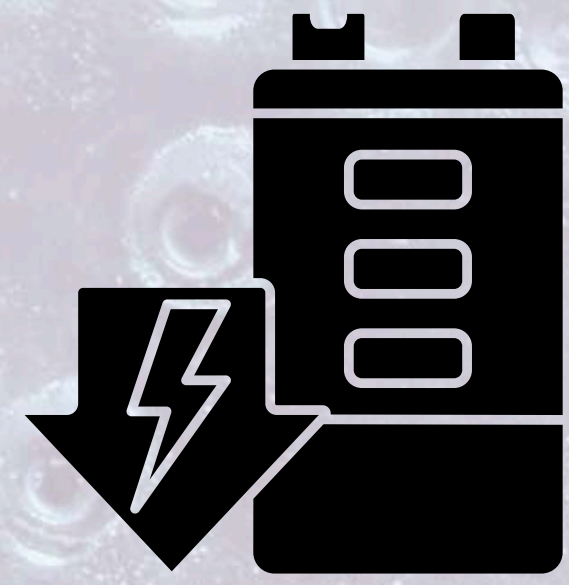
2.4 Hours

Reliable BMS System | Ultra-Safety

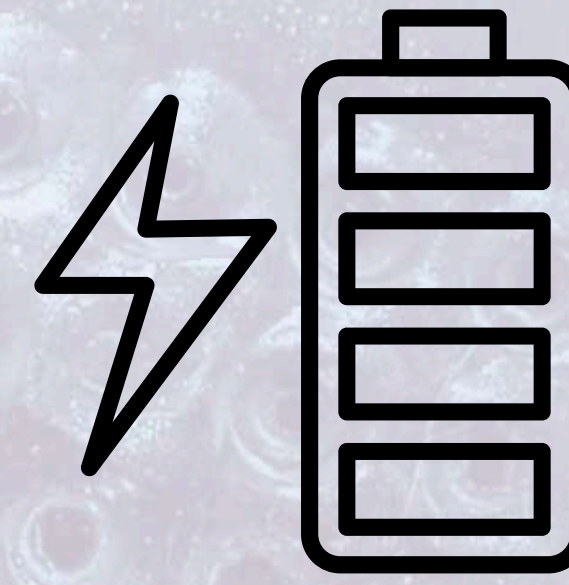
Our internal Battery Management System (BMS) offers comprehensive protection for the battery and ensures advanced management of charging and discharging.



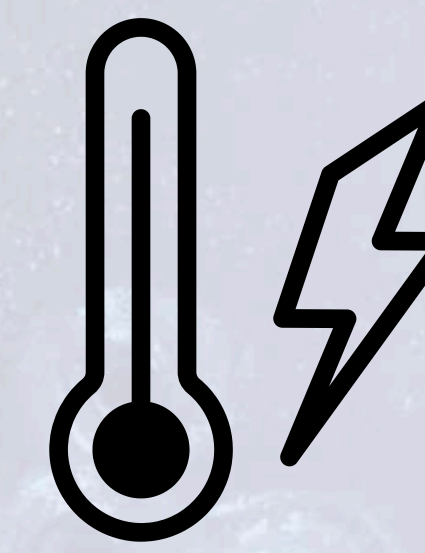
Charge Protection



Discharge Protection



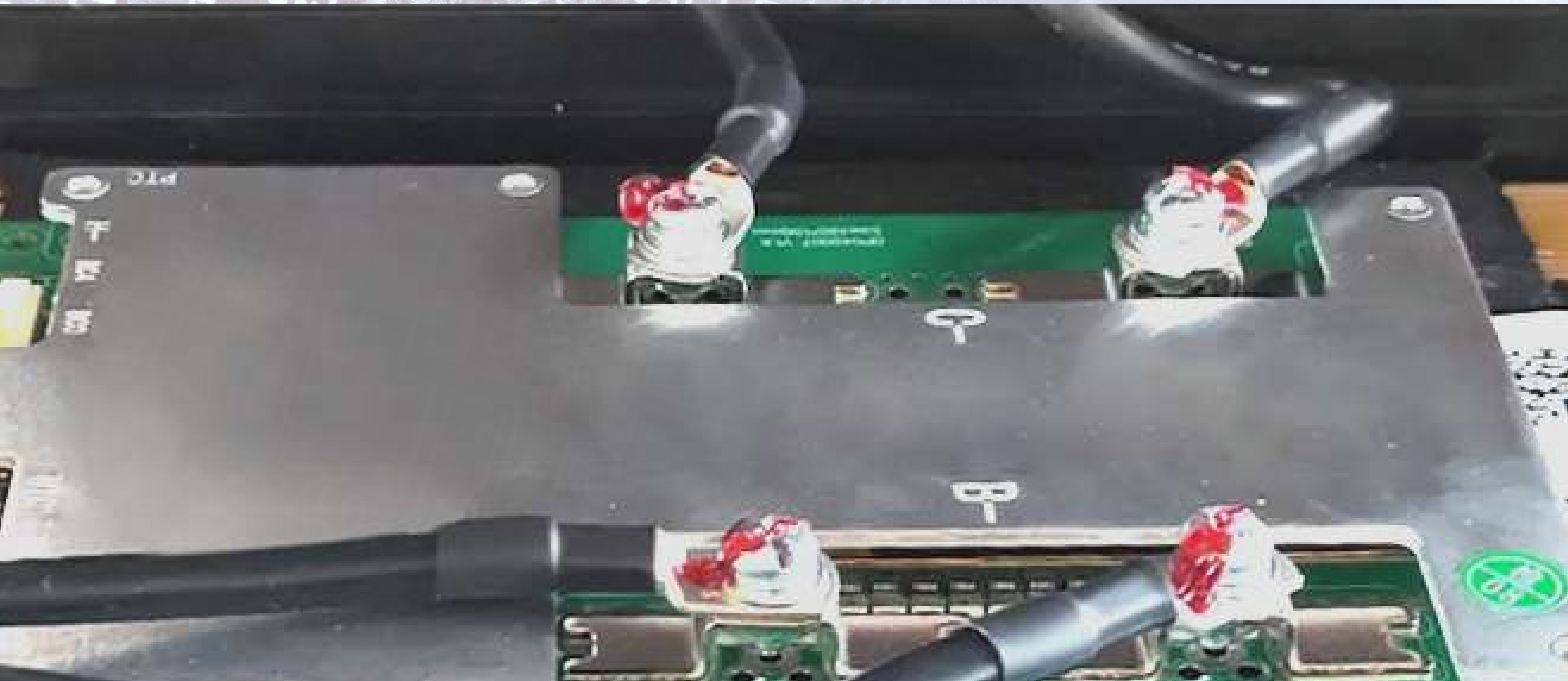
Battery Cell-Balancing



Thermal Management



Data Transmission



For detailed parameters of the BMS, please contact our team on info@dafeenergy.com

***Note: This image of the BMS is for reference only. The specific model and batch may vary. Please refer to the actual product for accurac**

SCALABLE FOR LARGE-SCALE PROJECTS

Golf Cart



RVs



12v 100Ah 1200Wh
Sodium-ion Battery

- DO NOT**
- Reverse Connection from Charger to Battery
 - Throw into Fire or Incinerate
 - Heat above 70°C
 - Short Circuit
 - Disassemble

Na⁺

MADE IN NIGERIA

Trucks



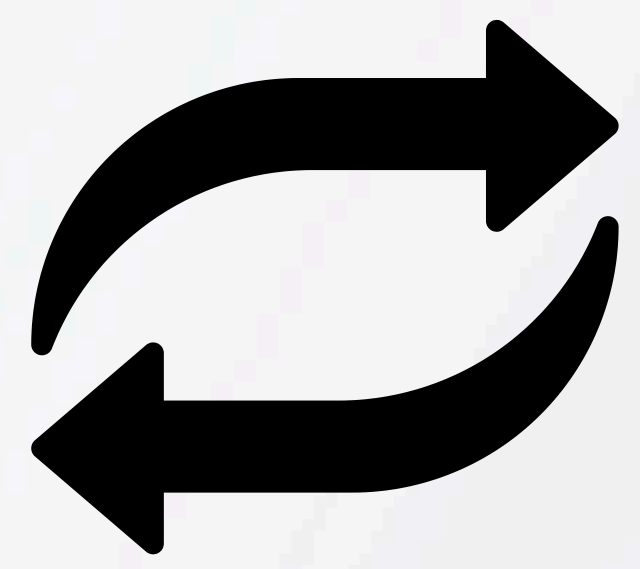
Boats





Caution

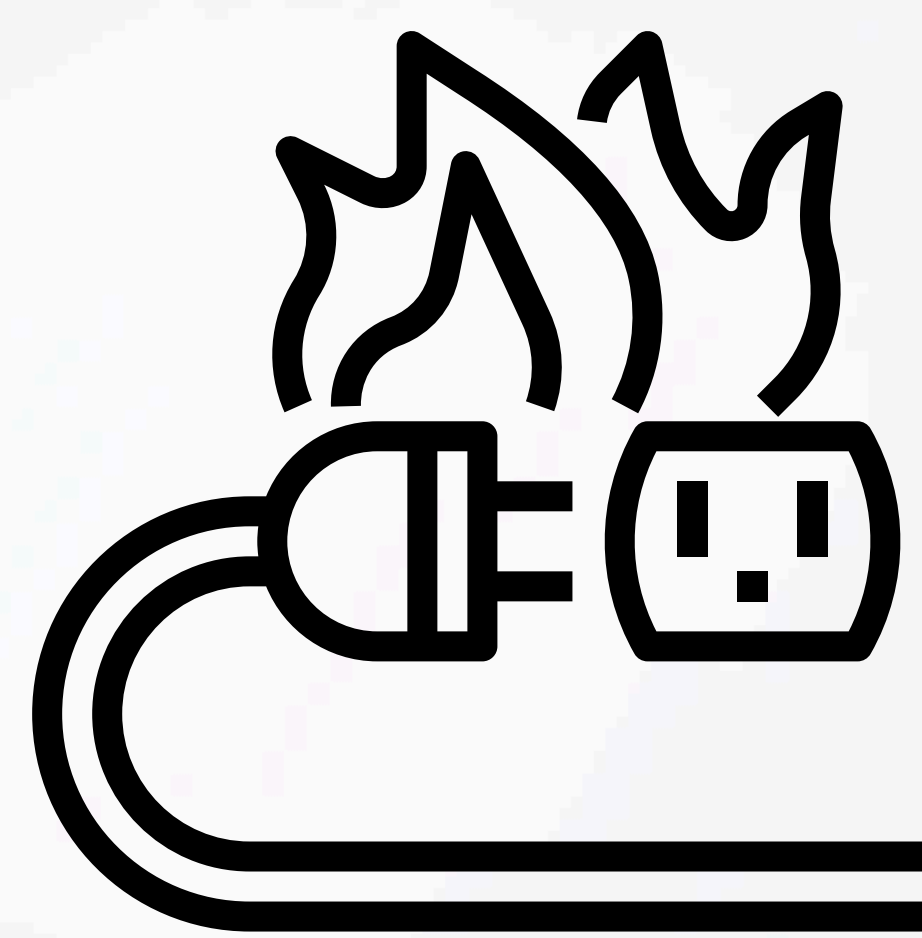
Do Not



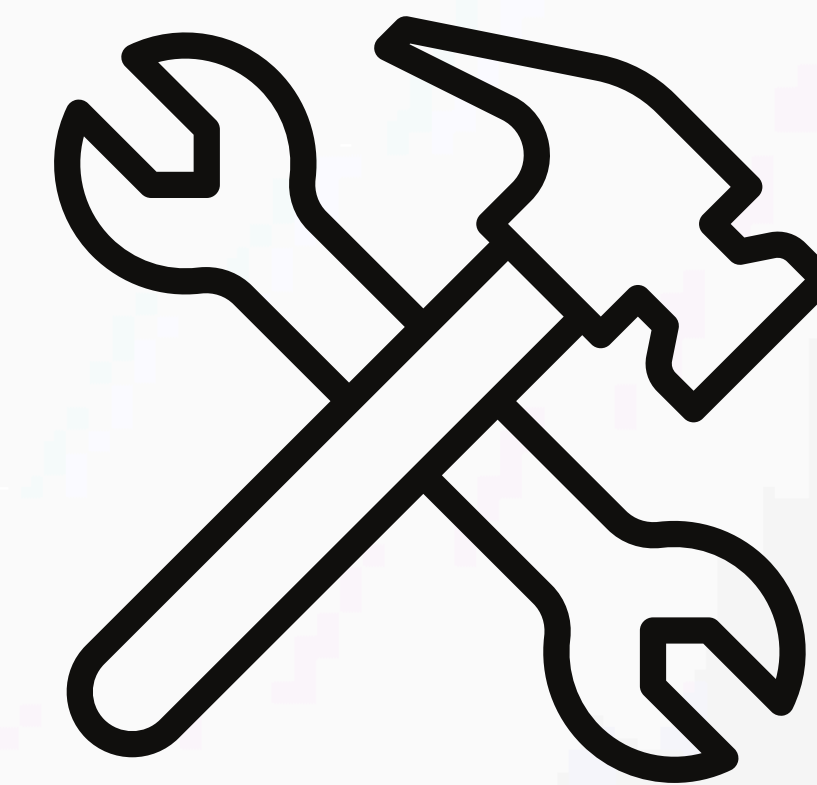
**Reverse Connections
from Charger to
Battery**



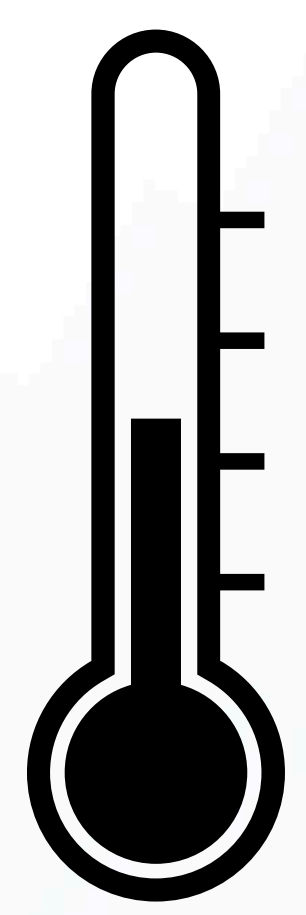
**Throw into Fire
or Incinerate**



Short Circuit



Disassemble



**Heat above 80
°C**


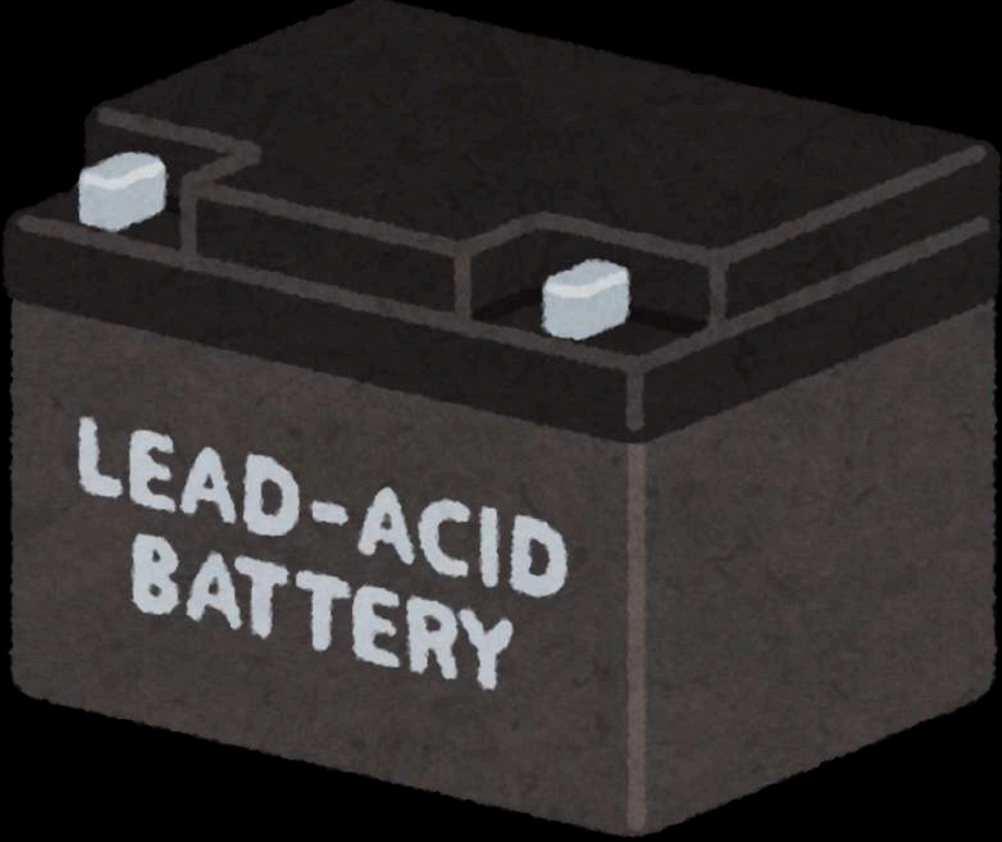



Series/Parallel Tips

- The same model (capacity & voltage & BMS)
- The same brand
- Recent purchases (within 3 months)

Sodium-Ion Battery VS other batteries

10 Reasons You Should Purchase our Sodium-Ion Batteries

	Sodium-Ion Battery 	LEAD/AGM/SLA 	Lithium ion Battery 
Environmentally:	HIGH	LOW	MEDIUM
Cost Effectiveness:	HIGH	LOW	MEDIUM
Operation Temperature Range:	HIGH	MEDIUM	MEDIUM
Voltage Range:	HIGH	LOW	MEDIUM
Security:	HIGH	HIGH	MEDIUM
Zero voltage Transportation:	YES	NO	NO
Low Temperature Performance:	GOOD	NORMAL	LOW
Cycle Life:	HIGH	LOW	HIGH
Energy Density:	MEDIUM	LOW	HIGH
Scope of Application:	HIGH	LOW	MEDIUM

3 Ways to Recharge The Battery

Please make sure your charger supports Sodium ion Battery
Due to the difference in charging voltage, it is recommended to choose only one method of charging at a time.

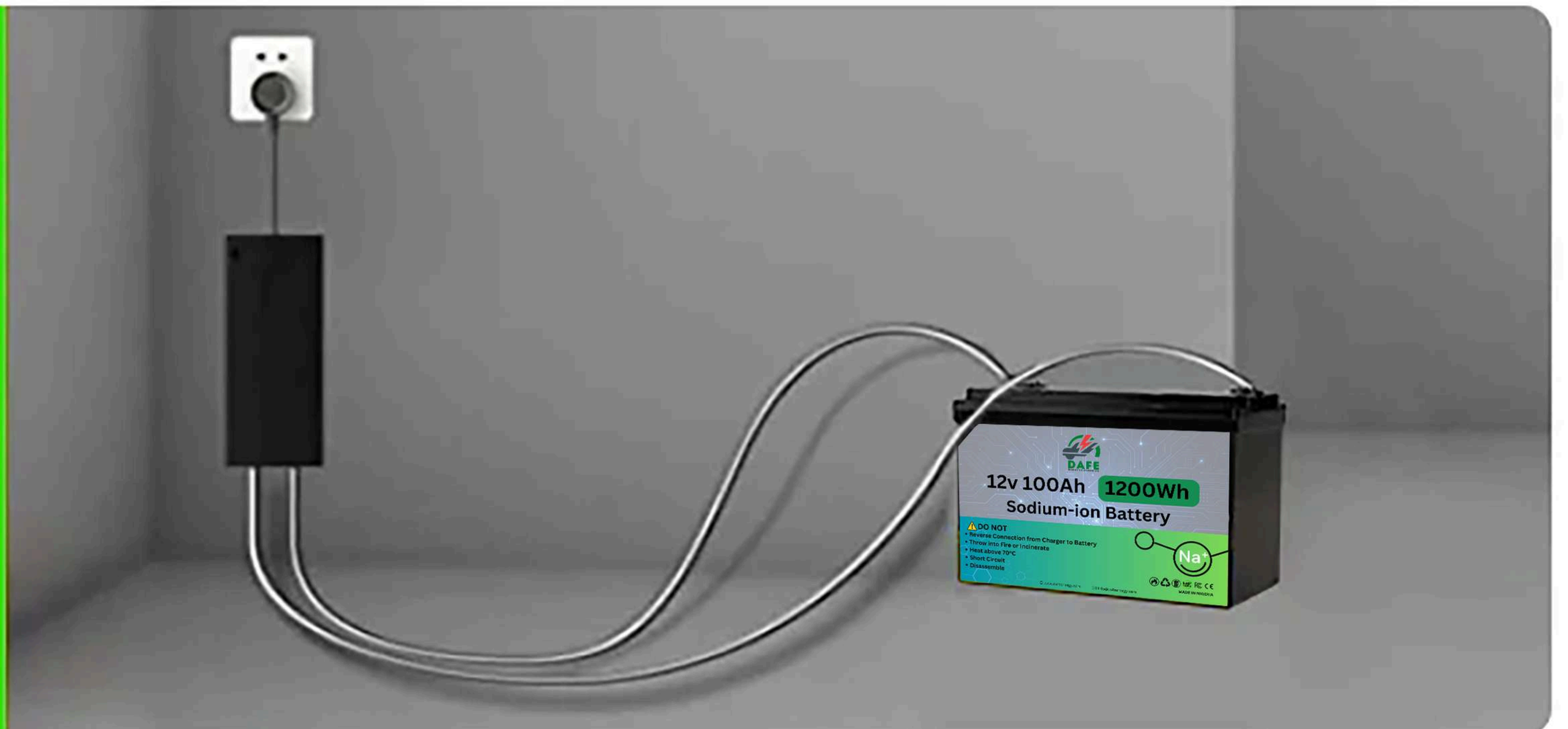


Generator

Add a 20A DC to DC Charger:
5hrs

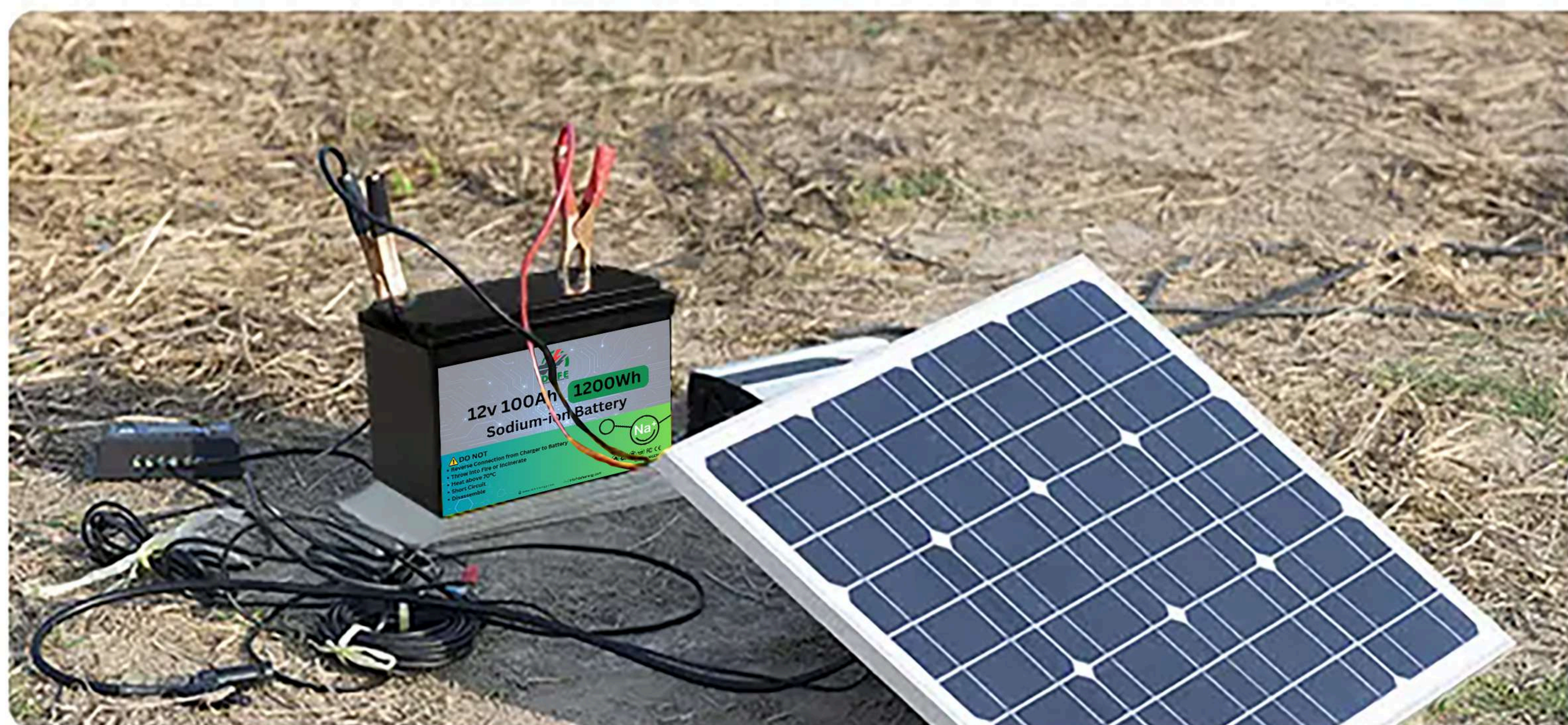
Charger

12V 20A Sodium ion Battery
Charger: **5hrs**



Solar Panel + MPPT

Recommend $\geq 400W$ Within
1 sunny day



Contact Us



+234-817-704-2673



www.dafeenergy.com



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Abuja, Nigeria

