

Energy Storage Battery

UB2400 & UB5000

DUCO

Characteristics

- Digital Monitor System App
- High Inverter Compatibility
- High Energy Efficiency (Charge And Discharge) > 97%
- High Rate Charge & Discharge Current
- Can Bus Standard Connection
- Natural Cooling System. Fanless, More Quiet And Reduce The Risk Of Fan Failure
- Assembly Freely In Series Or Parallel Up To 8s8p (409.6v 163.2kwh)
- Smart Design & Easy Installation Plug In & Off
- Long Life Reliable Lfp Cells, Cycle Life >6000 Cycles
- More Safety Dual Hardware & Triple Software Protection
- Safe And Reliable Bms Relay Design Instead Of Mosfet
- High Reliability Key Devices (Relay, Fuse) Approved By Ul And Iec
- 10 Years Limited Warranty



Technical Properties

Datasheet	UB 2400	UB 5000
Total Energy*	2.4kWh	5.1kWh
Usable Energy(DC)*	2.2kWh	4.6kWh
Nominal Charge/Discharge power	1.2kW	3.0kW
Peak Power (Only discharging)	3.5kW for 3 seconds	5.0kW for 3 seconds
Constant Current(Only discharge)	40A	80A
Voltage	48-56Vd.c	
Nominal Voltage	51.2Vd.c	
Nominal Current	30A	60A
Max. Charging Voltage	57.6V	
Recommended DOD	90%	
Operating Condition	Indoor	
Operating Temperature Charge	From 0~45°C	
Operating Temperature Discharge	From -10~55°C	
Dimension (W×H×D) mm	442×550×133 mm (3U)	
Weight	27.5kg	48kg
Humidity	20~60% (No condensed water)	
Over Voltage Category	II	
Cooling Type	Natural cooling	
Case Material	Metal	
Color	Black/Dark Blue	
Installation	Cabinet or Wall mounting	
IP rating	IP20	
Protective Class	I	
Max. Number of Parallel or Series	10	
Warranty	10 years	
Communication	CAN / RS485	
Protection Mode	Triple hardware protection	
Battery Protection	Over-current/Over-voltage/Short circuit/ Under-voltage/Over temperature	
Certification		
Safety	CE (IEC 62619, IEC 62040)	
Hazardous Material Classification	Class 9	
Transportation	UN 38.3 / MSDS	

Testing conditions based on temperature 25°C, at the beginning of life.

*Total Energy measured under specific conditions from 0.2C CC-CV.