

LITYUM BATTERY MODULE



ORB5.0C

ORBUS ORB5.0C adopts economic design, and is tailor-made for residential and small commercial application. This LFP battery module supports remote upgrade and APP monitoring, and provides multiple installation methods. It is scalable from 5.12kWh to 256kWh (max. 50 modules in parallel), providing various energy options to meet different requirements.



LITYUM BATTERY MODULE 51.2V 100Ah



APP Monitoring (optional)
Real-time monitoring
& Remote upgrade available



Module Design
Flexible expansion



Various Mounting Methods
Wall-mounted,
floor-standing and stacked



Support Battery Charge (optional)
Discharge under low ambient
temperature



High Safety LFP
Cell level monitoring and
balancing



Wide Compatibility
Matching with leading inverters

Technical Specifications

Model	DL5.0C
Battery Type	LiFePO4
Nominal Battery Energy	5.12 kWh
Nominal Capacity	100Ah
Nominal Voltage	51.2V
Operating Voltage	44.8 ~ 57.6V
Recomended Charge & Discharge C Rate	0.5C
Maximum Discharge C rate	1C
Recommended Charge/Discharge Current	50A
Max. Power Charge/Discharge Current	Charge 75A Discharge 100A
Peak Power Charge/Discharge Current	110A (15s)
Depth of Discharge (DOD)	95%
Net Weight	54 kg
Dimension[W*D*H]	558*545*150 mm
Charging Temp. Range	0~55 °C
Discharging Temp. Range	-20~55 °C
Communication	CAN/RS485/RS232
Cycle Life ^[1]	≥6000 Cycles
Protection Level	IP20
Expansion	Up to 50 units in parallel
Pros [1]Test conditions: 0.2C Charging/Discharging, @25 °C, 95% DOD	/Voltronic/Sungrow etc. Can be used in both off-grid and hybrid setups, compact design
Certification & Safety Standard	UN38.3/CE-EMC/IEC62619/CEI-021
Compatible Inverters	SMA/Victron/Ingeteam/Delios/Goodwe/Solis/Deye/SAJ

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