POWERBLOQ 1100-48

Standard Battery Pack
51.2V / 21.5Ah / 1101Wh



Features

- Fast charging, up to 3C (20%-80% in 12 minutes)
- Up to 80% of initial capacity after 6.000 cycles (70% DOD)
- State of the art LFP cell technology
- High discharge performance
- IEC62619 and UL2271 certified
- CANopen communication for host and charger integration
- Scalable capacity from 21.5Ah to over 600Ah by connecting up to 30 batteries in parallel
- Integrated LED State of Charge (SoC) and State of Health (SoH) indicator
- IP65 ruggedized housing
- JEITA charging profile optimization
- Numerous and redundant safety features
- Easy to handle
- No development costs, fast time-to-market

Applications

Suitable for use in all kinds of autonomous robots or different applications, e.g., in warehouse, industrial, or agricultural environments.

Characteristics

General	
Delivery status battery capacity	< 30%
Compliance information	CE / IEC62619 / UL2054 / UL2271 / CAN ICES-003(B) / NMB-003(B) / FCC / ICES / UKCA / KC / UN38.3 / RoHS / REACH
Operating temperature	0°C to 45°C (charge) -20°C to 60°C (discharge)
Storage temperature	-20°C to 60°C max. 0°C to 25°C recommended
Communication interface	CAN bus: CANopen implementation according to CiA418
P/N	110353 Each battery has an individual serial number (S/N), which is located on the hardpack label for tracking & traceability.
Electrical Parameters	
Nominal voltage	51.20V
Nominal (rated) capacity	21.20Ah
Max. continuous charge rate	63A (not for cycle life)
Continuous discharge rate	63A (not for cycle life)
Peak discharge rate	129A/10s
Battery Dimensions	
Length	330mm
Width	80mm
Thickness	230mm
Weight	~10.5kg
Ingress Protection	IP65

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