POWERBLOQ 1100-24

Standard Battery Pack
25.6V / 43.0Ah / 1101Wh



Features

- Fast charging, up to 1.5C (20%-80% in 24 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	110386 Each battery has an individual serial number (S/N), which is located on the hardpack label for tracking & traceability.
Electrical Parameters	
Nominal voltage	25.60V
Nominal (rated) capacity	43.00Ah
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

Germany/HQ
RRC power solutions GmbH

Technologiepark 1
66424 Homburg / Saar

+49 6841 98090
sales@rrc-ps.com

USA
RRC power solutions Inc.

18340 Yorba Linda Blvd.,
107-437
Yorba Linda, CA 92886

+1 714 777 3604
usa@rrc-ps.com

Hong Kong
RRC power solutions Ltd.

Flat F43, 7/F, Wah Lok Industrial Centre (Phase 2),
31-35 Shan Mei Street, Fo Tan, N.T.

+852 2376 0106
hkrrc@rrc-ps.cn

China
RRC power solutions Ltd.

Room 1306, C Building,
Tianan International Building, Renmin South Road,
Luohu District, Shenzhen
518021

+86 755 8374 1908
info@rrc-ps.cn

Vietnam
RRC Power Solutions Company Ltd.

Block C, Lot CN4
Dinh Vu – Cat Hai Economic Zone,
Dong Hai 2 Ward
Hai An District 180000
Hai Phong City

vietnam@rrc-ps.com