

Applications

Rack-mounted lead-acid battery packs are widely used in data centers, communication base stations, industrial equipment, and residential environments. Their primary function is to provide stable and reliable uninterruptible power supply (UPS) for servers, network devices, and critical household loads (such as security systems, smart home hubs, and home office setups), ensuring continuous system operation during main power outages.

Benefiting from a compact rack-mounted design and high power density, these battery packs enable easy deployment and straightforward maintenance. Simultaneously, their modular architecture supports flexible expansion, allowing precise matching of power requirements across diverse application scenarios – ranging from large-scale data centers to home users. This effectively safeguards the business continuity and security of critical equipment or systems.



Characteristic

- Full-sealed steel casing | Impact and vibration resistance
- Freestanding vertical or 19-inch rack-mountable
- Modular 9Ah base unit, Under 25°C, the designed floating life is up to 5 years
- Seamless parallel expansion with hot-swappable parallel kits

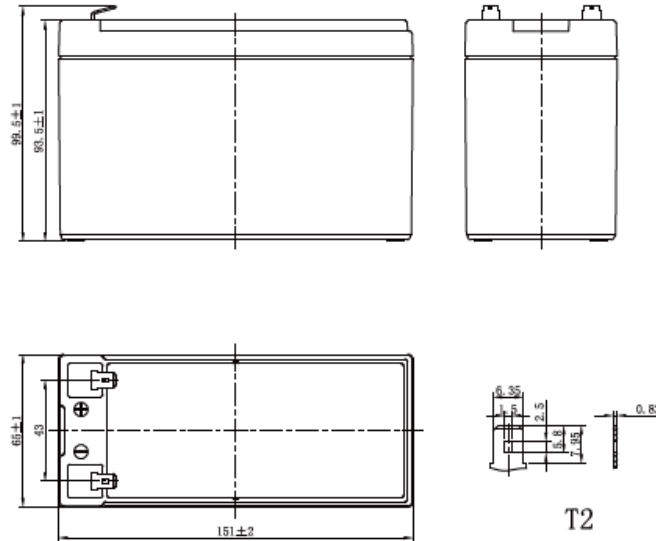
Battery Pack Technical Parameter

Battery Cabinet	
Output voltage	96V
Battery capacity	DC12V 9AH
Battery qty	8PCS/pack
Battery box width x depth x height (mm)	438x480x88mm
Battery switch	50A//1P
Pack weight (Kg)	18.1kg (pack only),39kg(Including batteries)
Operating temperature	0~ 40°C (Battery life is shortened at > 25°C)
Relative humidity	0-95% No condensation

Battery Technical Parameter

Parameter	Value
Rated Voltage	12V
Nominal Capacity (Cref, 1.75V/cell)	9.0Ah
Dimensions	Length: 151mm (5.94 inches)
	Width: 65±1mm (2.56 inches)
	Container Height: 93.5±1mm (3.68 inches)
	Total Height (with terminals): 99.5±1mm (3.92 inches)
Approx Weight	2.52kg (5.56 lbs)
Terminal	T1/T2
Container Material	ABS
Rated Capacity (25°C)	9 Ah C20(0.450A, 1.75V/cell)
	8.51 Ah C10(0.851A, 1.75V/cell)
	7.75 Ah C5(1.55A, 1.75V/cell)
	6.90 Ah C3(2.30A, 1.75V/cell)
	5.98 Ah C1(5.98A, 1.60V/cell)
Max. Discharge Current	135A (5s)
Internal Resistance (25°C)	Approx 17mΩ
Operating Temp. Range	Discharge: -20 - 55°C (-4 - 131°F)
	Charge: -20 - 40°C (-4 - 104°F)
	Storage: -15 - 50°C (5 - 122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)
Max. Charging Current (25°C)	2.70A
Charge voltage (25°C)	Float: 2.25~2.30V/cell, Temp. Coefficient: -3mV/cell/°C
	Equalization: 2.35~2.40V/cell, Temp. Coefficient: -4mV/cell/°C
	Cycle: 2.40~2.50V/cell, Temp. Coefficient: -5mV/cell/°C
Effect of temp. to Capacity	40°C (104°F): 103%
	25°C (77°F): 100%
	0°C (32°F): 86%
Self-Discharge	≤3%/month @ 25°C

Battery Layout



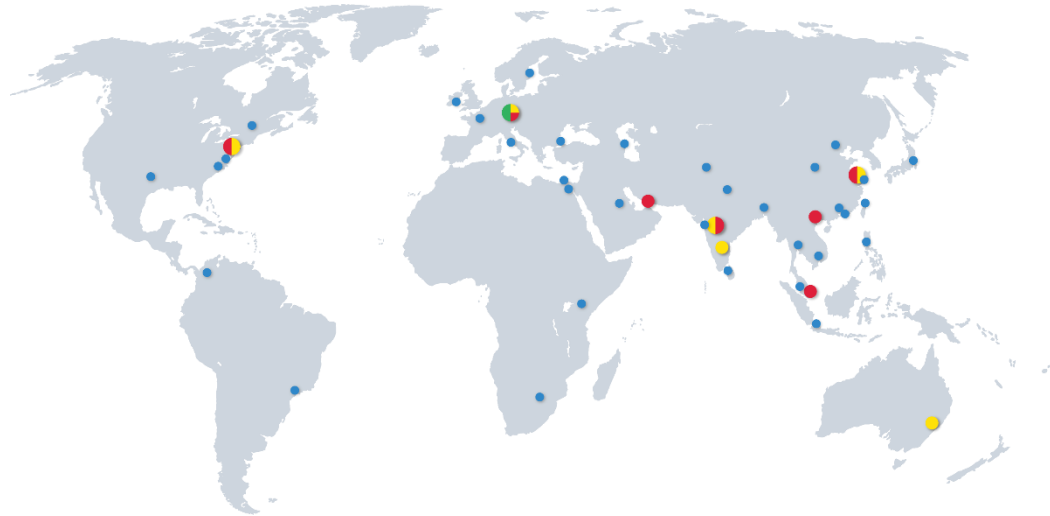
Constant Current Discharge (25°C)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	30.2	20.7	16.1	12.9	9.34	6.72	5.41	3.92	3.08	2.22	1.77	1.51	1.29	1.02	0.832	0.44
1.80V/cell	32.4	21.9	16.9	13.4	9.63	6.9	5.54	4	3.14	2.26	1.8	1.53	1.31	1.03	0.843	0.445
1.75V/cell	34.2	22.8	17.4	13.8	9.88	7.05	5.66	4.08	3.19	2.3	1.82	1.55	1.33	1.04	0.851	0.45
1.70V/cell	35.8	23.7	18	14.2	10.1	7.21	5.76	4.15	3.24	2.33	1.85	1.57	1.34	1.05	0.86	0.454
1.67V/cell	37	24.4	18.5	14.5	10.3	7.32	5.85	4.2	3.28	2.35	1.86	1.58	1.35	1.06	0.866	0.457
1.60V/cell	39.3	25.4	19.1	14.9	10.6	7.5	5.98	4.29	3.34	2.4	1.9	1.61	1.37	1.08	0.877	0.462

Ordering Information

No.	PN	Description	QTY	Unit	Remark
1	BP-R96V2UA	Rack-Mounted external battery pack for 3kVA UPS	1	PCS	

GLOBAL FOOTPRINT



Headquarters

Donauwörth - Germany
PROSE Technologies GmbH
Add.: Dr.-Friedrich-Drechsler-Straße 14, 86609
Donauwörth, Germany
E-mail: info.eu@prosetechnologies.com

Western Europe

Dublin - Ireland
PROSE Technologies (Ireland) Limited
Add.: 6th Floor, South Bank House, Barrow Street,
Dublin 4 Ireland
E-mail: Info@prosetechnologies.com

Eastern Europe & Central Asia

E-mail: info.eeca@prosetechnologies.com

North America

New Jersey - America
PROSE Technologies LLC
Add.: 550 Clark Drive Budd Lake, NJ 07828, United
States of America
Tel: +1 888 840 4066
E-mail: info.us@prosetechnologies.com

Middle East

ubai - UAE
PROSE Technologies DMCC
Add.: 3702, Mazaya Business Avenue BB2, JLT, Dubai
Tel: +971 4 3999168
E-mail: info.ae@prosetechnologies.com

Africa

Nairobi - Kenya
PROSE Technologies Africa (PTY) Ltd
Tel: +254 780440410
E-mail: info.ke@prosetechnologies.com

Gauteng, (Johannesburg) - South Africa
PROSE Technologies Africa (PTY) Ltd
Add.: Building 20, Cambridge Office Park, 5 Bauhina
Road, Highveld Techno Park Centurion, Gauteng 0169,
South Africa
Mobile: +27 725554840
E-mail: info.za@prosetechnologies.com

South Asia

Mumbai - India
PROSE Technologies India Private Limited
Add.: 403-407, Eco Star, Vishveshwar Nagar,
Goregaon East, Mumbai, India 400063
Tel: +91 22-66453000
E-mail: info.in@prosetechnologies.com

Pune - India
PROSE Technologies India Pvt.Ltd
Add.: A-79, Block-A, Horizon Industrial Parks, Phase II,
MIDC Chakan Industrial Area, Khed, Pune, India
410501
Tel: +91 2135-635200
E-mail: info.in@prosetechnologies.com

Bangalore - India
PROSE Technologies India Private Limited
Add.: No.494 East End Main Road, Jayanagar IX Block,
Bangalore, India 560069
E-mail: info.in@prosetechnologies.com

New Delhi - India
PROSE Technologies India Pvt.Ltd
Add.: H-3/157, 2nd Floor, Vikas Puri, New Delhi, India
110018
E-mail: info.in@prosetechnologies.com

Dhaka - Bangladesh
PROSE Technologies (Bangladesh) Limited
Add.: House-360 (2nd Floor), Lane-5 (East), Baridhara
DOHS, Dhaka-1206, Bangladesh
Tel: +880 1977070130
E-mail: info.bd@prosetechnologies.com

Islamabad - Pakistan
Add.: Unit 514, 5th Floor, ISE Towers, Islamabad,
Pakistan
Tel: +92 3335357733
E-mail: info.pk@prosetechnologies.com

Sri Lanka
Tel: +880 1977070130
E-mail: info.lk@prosetechnologies.com

South East Asia

Selangor - Malaysia
PROSE Technology (M) Sdn. Bhd
Add.: Unit 2-1, Level 2, The Podium, Tower 3, UOA
Business Park, No 1, Jalan Pengaturcara U1/51a,
Seksyen U1, 40150 Shah Alam, Selangor, Malaysia
Tel: +60 126859319
E-mail: info.my@prosetechnologies.com

Bangkok - Thailand
PROSE Technology (Thailand) Co., Ltd
Add.: 349 SJ Infinite I Business Complex, 9 Floor, Room
905, Vibhavadi Rangsit Road, Chom Phon Sun-district,
Chatuchak District, Bangkok Province, Thailand
Tel: +66 80 6606630
E-mail: info.th@prosetechnologies.com

Singapore
PROSE Technologies (Singapore) Pte.Ltd
Add.: 10 Anson Road#13-15 International Plaza
Singapore 079903
Tel: +6598366793
E-mail: info.sg@prosetechnologies.com

Hanoi - Vietnam
PROSE Technologies (Vietnam) Company Limited
Add.: Floor 15, Vinaconex 9 Building, HH-2 Block,
Pham Hung Street, Me Tri Ward, Nam Tu Liem District,
Hanoi, Vietnam
Tel: +84 933086498
E-mail: info.vn@prosetechnologies.com

Taguig - Philippines
PROSE Technologies Philippines, Inc.
Add.: Unit 17 19th Floor Highstreet South Corporate
Plaza Tower 1, 26th Street corner 9th Avenue, Bonifacio
Global City, Taguig City, Philippines
Tel: +63 27572762
E-mail: info.ph@prosetechnologies.com

Jakarta - Indonesia
PT. PROSE Technologies Indonesia
Add.: Plaza Sentral 6th Floor, Jalan Jenderal Sudirman
No. 47, Jakarta 12930, Indonesia
Tel: +62 21 57901997
E-mail: info.id@prosetechnologies.com

East Asia

Suzhou - China
PROSE Technologies (Suzhou) Co.,Ltd
Add.: No. 6, Shen'an Road, DianShanHu, Suzhou,
JiangSu, China
E-mail: Info@prosetechnologies.com

Beijing - China
PROSE Technologies (Beijing) Co.,Ltd
E-mail: Info@prosetechnologies.com

Shanghai - China
PROSE Technologies (Shanghai) Co.,Ltd
E-mail: Info@prosetechnologies.com

Dongguan - China
Add.: Room 1506, building 1, No. 1, Yile Road,
Songshanhu Park, Dongguan City, Guangdong
Province, China
E-mail: Info@prosetechnologies.com

Hongkong - China
PROSE Technologies Company Limited
Add.: Unit B 13/F,Prat Commercial Building, 17-19 Prat
Avenue, Tsimshatsui, Kowloon, HongKong, China
Tel:+86 512 86896789 - 2921/2922
E-mail: info.hk@prosetechnologies.com

Taiwan
Tel: +63 2 7572762
E-mail: info.tw@prosetechnologies.com

Oceania

New South Wales - Australia
PROSE Technologies (Australia) Pty. Ltd
Add.: 5/13 Boundary Rd, Northmead, NSW 2152,
Australia
Tel: +61 2 78055523
E-mail: info.au@prosetechnologies.com