FEATURES OF NI-MH BATTERY:





(Non-flammable)



BATTERY PACK SPECIFICATION

	Specifications*1				
Part number (Tentative)	BK-11F8010T1				
Module numbers (pcs)	8				
Rated capacity (Ah)	100				
Nominal voltage (V)	96				
Temperature range (°C)*2	-40 to +75 (up to +60 for charging)				
Weight (kg)	288				
Dimensions (mm)	W 1258 × D 598 × H 235				
Expected life (years*3)	12 to 16				
Additional function	Demote diagonable function / Coloulation of hottony lifetime				

Additional function Remote diagnosis function / Calculation of battery lifetime

*1 Under development. *2 Please consult discharge/charge current value.

*3 Based on Panasonic suggested condition.

MODULE AND BATTERY PACK IMAGES



Standard battery pack system BK-11F8010T1 (build by 8 pcs of module) 96 V / 100 Ah



NEW Nickel Metal Hydride battery system for railway vehicles

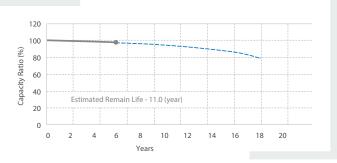
Safe battery system for auxiliary power supply

FEATURES:

- Does not contain environmentally hazardous substances (Pb, Cd)
- Small and light weight allowing flexible mounting on vehicles
- Saving replacement time due to sufficient long life
- Maintenance free due to no requirement of electrolyte refilling
- Allows for diagnosis by the remote monitoring function
- No transportation restrictions (class 9 not required)

REMOTE DIAGNOSIS FUNCTION

- Enable checking battery health and monitoring battery conditions
- Allows calculation of remaining battery lifetime







CR LITHIUM CYLINDRICAL BATTERY

Superb durablity, long lifetime and support high rate discharge for various applications



- FEATURES
- Allows long lifetime where battery cannot easily be replaced
- Superb high rate discharge performance for various IoT devices
- Usable for harsh environment from -40 to +85°C condition

Model number	Nominal voltage (V)	Nominal ^{*1} capacity (mAh)	Diameter (mm)	Height (mm)	Weight (g)	Temperature range*² (°C)
CR-AAK	3	1,650	14.5	50.5	18	-40 to +85
CR-AAU	3	1,800	14.5	50.5	18	-40 to +85
CR-2Z	3	1,000	15.6	27.0	11	-40 to +85
CR-2U	3	1,000	15.6	27.0	11	-40 to +85
CR-2/3AU	3	1,600	17.0	33.5	16	-40 to +85
CR-2/3AZ	3	1,600	17.0	33.5	16	-40 to +85
CR-AG	3	2,400	17.0	45.5	22	-40 to +85
CR-AGZ	3	2,700	17.0	45.5	23	-40 to +85
CR-LAZ	3	3,000	17.0	50.5	26	-40 to +85
CR-LAS *3	3	3,500	17.5	50.0	28	-40 to +85

*1 Standard discharge condition at 20°C (discharge cut-off 2.0 V) | *2 Please contact us when using over 70°C | *3 Under development

NICKEL METAL HYDRIDE BATTERY

Suitable for backup power of infrastructure application where long lifetime is required



FEATURES

- Wide temperature range from -20°C up to +75°C (in case of BK-60AAAHU, min. -10°C)
- Superb long-term reliability for backup usage
- Low self-discharge characteristics

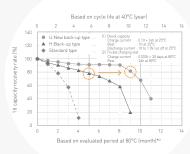
Model Si number	Size	Nominal voltage (V)	Discharge capacity*1 (mAh)		Diameter	Total height	Weight	Charging	Discharging*2
			Rated	Average	(mm)	(mm)	(g)	temperature (°C)	temperature (°C)
BK-60AAAHU	AAA	1.2	500	550	10.5 +0/-0.7	44.5 +0/-1.5	12	-10 to +75	-20 to +75
BK-120AAHU	AA	1.2	1,200	1,280	14.5 +0/-0.7	50.5 +0/-1.5	24	-20 to +75	-20 to +75
BK-220SCHU	SC	1.2	2,200	2,350	23.0 +0/-1.0	43.0 +0/-1.5	50	-20 to +75	-20 to +75
BK-310CHU	С	1.2	3,100	3,300	25.8 +0/-1.0	50.0 +0/-2.0	80	-20 to +75	-20 to +75
BK-1100FHU	F	1.2	11,000	12,000	33.0 +0/-1.0	91.0 +0/-2.5	250	-20 to +75	-20 to +85
BK-1100FGT	F	1.2	11,000	12,000	33.0 +0/-1.0	91.0 +0/-2.5	245	-20 to +75	-40 to +75

*1 0.2 It discharge capacity after charging at 0.1 It for 16 hours. It (A) = rated capacity (Ah) / 1(h)

^{*2} Please contact us when using in the range of 75°C to 85°C.







APPLICATIONS



APPLICATIONS



Surveillance camera system

Base station backup

Wind power generation

UPS



Scan QR-code directly for more information or contact us by email: battery-solutions@eu.panasonic.com

Panasonic Industry Europe GmbH Winsbergring 15, 22525 Hamburg, Germany Phone: +49 40 8549-6373



Printed in Germany 2024 © Panasonic Energy Co.,Ltd.