

Nickel-Metal Hydride Battery Selection Guide

Nickel-Metal Hydride Batteries can be used over a wide temperature range from low to high temperatures, making them suitable for harsh environments such as automotive equipment and infrastructure applications. Additionally, they are long-lasting, highly recyclable, reusable, and environmentally friendly batteries.



Nickel-Metal Hydride Batteries Product Lineup(Size/Capacity)

Size		AAA	AA	4/5A	A	LA	Lfat/A	SC	C	F	V
Diameter		10.5	14.5	17.0	17.0	17.0	18.2	23.0	25.8	33.0	62.6
Height		44.5	50.5(49.0 *1)	43.0	50.0	67.0	67.5	43.0	50.0	91.0	188.7
Infrastructure	Long life	BK60AAAHU (500mAh)	BK120AAHU (1200mAh)					BK220SCHU (2200mAh)	BK310CHU (3100mAh)	BK1100FHU (11000mAh)	
	High-rate Discharge						BK330APH (3200mAh)	BK250SCH (2500mAh)		BK850FPH (8500mAh)	
	Standard		BK70AAH *1 (700mAh) BK110AAH (1100mAh) BK150AAH (1450mAh)	BK160AH (1600mAh)	BK210AH (1900mAh)		BK370AH (3500mAh)				
Automotive Backup		BK60AAAWS (500mAh)	BK120AAWS (1100mAh) BK120AAWX (1100mAh)								
Standard		BK70AAAJ (700mAh)	BK70AA *1 (700mAh) BK110AAP (1100mAh) BK150AA (1500mAh) BK200AAP (1900mAh)	BK200A (2000mAh)	BK210A (2100mAh) BK250A (2450mAh)	BK380A (3700mAh)	BK450A (4200mAh)				
High-rate Discharge								BK260SCP (2450mAh) BK300SCP (2800mAh)			
Button Top		BK80AAAB (750mAh)	BK200AAB (1900mAh)								
Large type for Infrastructure											BK-10V1S (90000mAh)

Capacity: Rated capacity(min.)

*1 Height 49.0mm

Nickel-Metal Hydride Batteries Product Lineup(product type)

Product type		Operation temp. (Charge)	Operation temp. (Discharge)	Features	Applications	
Ni-MH	Infrastructure Back up	Long life(U)	-20~+75℃	-20~+75℃ -20~+85℃(FHU)	•Excellent charging performance in high-temperature environments •Long service life(8-10 years)*2	•Emergency lights, Guidance Lights, LED lights •Wireless base-stations, Servers
		High Rate Discharge(PH)	-10~+60℃ -20~+75℃(FPH)	-10~+60℃ -20~+85℃(FPH)	•High charging performance in high-temperature environments •High-current discharge and long service life. (4-6 years)*2	•Elevators •ATM, POS •Vending machines •Medical equipment, etc.
		Standard(H)	-10~+60℃	-10~+60℃	•High charging performance in high-temperature environments •Long service life(4-6 years)*2	•UPS •AGV
	Back up for Automotive(W)	-20~+60℃ -20~+70℃(WX)	-40*1~85℃ -40~105℃(WX)	•Wide temperature range(including low-temperature discharge) •Long service life	•e-Call •TCU •Drive recorder	
	Standard(N)	0~+45℃	-10~+65℃	•General-purpose •Cycle use	•Radio equipment •Handy terminal •Small appliances	
	High Rate Discharge (P)	0~+45℃	-10~+65℃	•High-current discharge •Fast charging	•Power tool •Cordless cleaner	
	Button Top(B)	0~+45℃	-10~+65℃	•Compatible with dry cell batteries and reusable •Low self-discharge	•DSC •Game	
For Large-scale infrastructure(V)	-20~+60℃	-20~+60℃	•large capacity ideal for large-scale infrastructure •High-efficiency power supply even in low-temperature environments	•Rolling stock •AGV		

*1 : AAA size: Lower temperature limit -30℃ *2 : Expected service life under our evaluation conditions