



NP / REW / REC SERIES

valve regulated sealed lead-acid type rechargeable battery

WHEN THE POWER'S OFF YUASA'S ON

CONSTRUCTION OF YUASA NP BATTERY



- A Top Cover
- B Relief Valve
- C Terminal
- D Sealant
- E Negative Plate
- F Electrolyte Retentive Separator
- G Positive Plate
- H Cover
- I Container

INTRODUCTION

Yuasa began development of the NP Series of maintenance free sealed lead acid batteries in 1958. Today's NP battery is the culmination of over 65 years of battery manufacturing experience. The high energy density, advanced plate technology, fully sealed construction, efficient performance in float or cyclic services, and long service life combine to make Yuasa NP batteries the most reliable and versatile maintenance free rechargeable sealed lead acid batteries available.

TECHNICAL FEATURES

- Sealed Construction
- Electrolyte Suspension System
- Gas Recombination
- Maintenance-Free Operation
- Operation In Any Position
- Low Pressure Venting System
- Heavy Duty Grids
- Low Self Discharge-Long Shelf Life
- Broad Operating Temperature Range
- High Recovery Capability

APPLICATIONS

Yuasa NP series batteries are designed for use in both cyclic and float applications. The high energy density to weight ratio coupled with a wide selection of sizes and configurations make NP batteries the logical choice for numerous applications. A partial list of common applications includes, but is not limited to, standby or primary power for:

- Alarm Systems
- Cable Television
- Communications Equipment
- Control Equipment

- Computers
- Electronic Cash Registers
- Electronic Test Equipment
- Electric Powered Wheelchairs
- Emergency Lighting Systems
- Fire & Security Systems
- Geophysical Equipment
- Marine Equipment
- Medical Equipment
- Micro Processor Based Office Machines
- Portable Cine & Video Lights
- Power Tools
- Solar Powered Systems
- Telecommunications Systems

- Television & Video Recorders
- Toys
- Uninterruptible Power Supplies
- Vending Machine



ISO 9001 QUALITY ASSURANCE



RECOGNIZED BY UL, File NO. MH 12970

(REW) 長壽命高率型 (瓦特) - 設計壽命 5 年

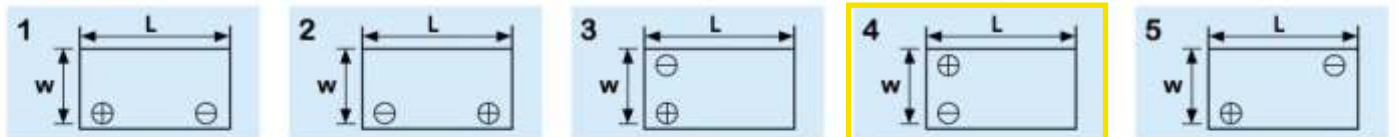
[Long Life & High Rate Type(Watts) - Designed Life is 5 Years for Floating Use]

TYPE	Volts	W/Cell 10min (F.V.1.67V/Cell)	Approx. Dimensions						Approx Weight		Layout	Terminals
			Length		Width		Overall height Incl.terminals					
			mm	in	mm	in	mm	in	kg	lbs		
REW28-12	12	28	90	3.54	70	2.76	106.0	4.17	2.00	4.41	1	B
REW45-12		45	151	5.94	65	2.56	97.5	3.84	2.50	5.51	4	B

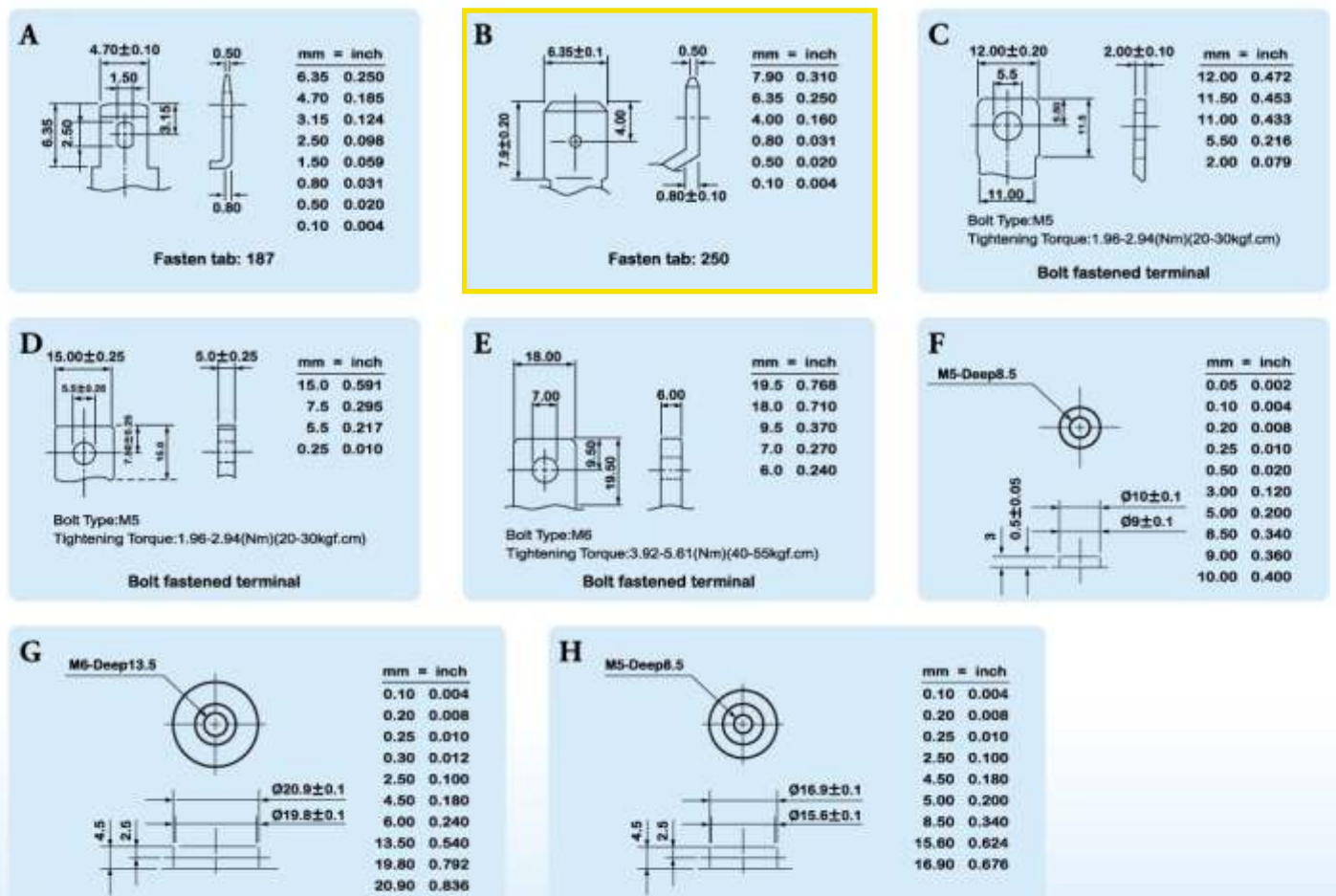
(REC) 電動用車系 [Electric Car Application Type]

TYPE	Volts	Nominal Capacity (20 hr rate-AH)	Approx. Dimensions						Approx Weight		Layout	Terminals
			Length		Width		Overall height Incl.terminals					
			mm	in	mm	in	mm	in	kg	lbs		
REC9-12	12	9.0	151	5.94	65	2.56	115.5	4.50	3.40	7.49	4	B
REC10-12		10.0	151	5.94	65	2.56	115.5	4.50	3.40	7.49	4	B
REC12-12		12.0	151	5.94	98	3.86	97.5	3.84	4.00	8.82	4	B
REC22-12		22.0	181	7.13	76	2.99	167.0	6.57	6.50	14.32	2	C
REC50-12		50.0	197	7.76	165	6.50	175.0	6.89	15.00	33.04	2	G
REC80-12		80.0	259	10.20	168	6.61	212.0	8.35	27.00	59.47	1	G
U1-36E-12		36.0	196	7.72	130	5.12	169.0	6.65	11.90	26.20	1	E

Layout



Terminals



(NP) 一般型－設計壽命 3 年〔Standard Type - Designed Life is 3 Years for Floating Use〕

TYPE	Volts	Nominal Capacity (20 hr rate-AH)	Approx. Dimensions						Approx Weight		Layout	Terminals
			Length		Width		Overall height Incl.terminals					
			mm	in	mm	in	mm	in	kg	lbs		
NP1.2-6	6	1.2	97	3.82	25	0.98	54.5	2.15	0.29	0.64	1	A
NP3-6		3.0	134	5.28	34	1.34	64.0	2.52	0.63	1.93	1	A
NP4-6		4.0	70	2.76	47	1.85	105.5	4.15	0.85	1.87	5	A
NP7-6		7.0	151	5.94	34	1.34	97.5	3.84	1.26	2.78	1	A
NP8-6		8.0	151	5.94	50	1.97	97.5	3.84	1.70	3.75	1	A
NP10-6		10.0	151	5.94	50	1.97	97.5	3.84	1.90	4.19	1	A
NP12-6		12.0	151	5.94	50	1.97	97.5	3.84	2.08	4.58	1	A
NP1.2-12	12	1.2	97	3.82	48	1.89	54.5	2.15	0.57	1.26	3	A
NP2.3-12		2.3	178	7.01	34	1.34	64.0	2.52	0.94	2.07	1	A
NP4-12		4.0	90	3.54	70	2.76	105.5	4.15	1.67	3.68	1	A、B
NP5-12		5.0	90	3.54	70	2.76	106.0	4.17	2.00	4.41	1	A、B
NP7-12		7.0	151	5.94	65	2.56	97.5	3.84	2.50	5.51	4	A、B
NP12-12		12.0	151	5.94	98	3.86	97.5	3.84	4.00	8.82	4	B
NP17-12I		17.2	181	7.13	76	2.99	167.0	6.57	6.20	13.66	2	F
NP18-12B	17.2	181	7.13	76	2.99	167.0	6.57	6.20	13.66	2	C	
NP24-12	24.0	175	6.89	166	6.54	125.0	4.92	8.65	19.05	2	C、F	
NP26-12B	26.0	175	6.89	166	6.54	125.0	4.92	8.65	19.05	2	C	
NP38-12	38.0	197	7.76	165	6.50	170.0	6.69	13.80	30.40	2	D、H	
NP40-12	40.0	197	7.76	165	6.50	175.0	6.89	15.50	34.20	2	D、H	
NP65-12	65.0	350	13.78	166	6.54	174.0	6.85	22.80	50.22	2	E、G	

(NPH) 高率型－設計壽命 3 年〔High Rate Type - Designed Life is 3 Years for Floating Use〕

TYPE	Volts	Nominal Capacity (10 hr rate-AH)	Approx. Dimensions						Approx Weight		Layout	Terminals
			Length		Width		Overall height Incl.terminals					
			mm	in	mm	in	mm	in	kg	lbs		
NPH2.3-12	12	2.3	178	7.01	34	1.34	64.0	2.52	0.94	2.07	1	A、B
NPH5-12		5.0	90	3.54	70	2.76	106.0	4.17	2.00	4.41	1	B
NPH12-12		12.0	151	5.94	98	3.86	97.5	3.84	4.00	8.82	4	B
NPH16-12T		16.0	181	7.13	76	2.99	167.0	6.57	6.20	13.66	2	C
NPH18-12		18.0	181	7.13	76	2.99	167.0	6.57	6.60	14.50	2	C、F

(NPW) 高率型 (瓦特)－設計壽命 3 年〔High Rate Type(Watts) - Designed Life is 3 Years for Floating Use〕

TYPE	Volts	W/Cell 10min (F.V.1.67V/Cell)	Approx. Dimensions						Approx Weight		Layout	Terminals
			Length		Width		Overall height Incl.terminals					
			mm	in	mm	in	mm	in	kg	lbs		
NPW45-6	6	45	151	5.94	34	1.34	97.5	3.84	1.26	2.78	1	A、B
NPW45-12	12	45	151	5.94	65	2.56	97.5	3.84	2.50	5.51	4	A、B

(RE) 長壽命－設計壽命 5 年〔Long Life Type - Designed Life is 5 Years for Floating Use〕

TYPE	Volts	Nominal Capacity (20 hr rate-AH)	Approx. Dimensions						Approx Weight		Layout	Terminals
			Length		Width		Overall height Incl.terminals					
			mm	in	mm	in	mm	in	kg	lbs		
RE7-6	6	7.0	151	5.94	34	1.34	97.5	3.84	1.26	2.78	1	A
RE5-12	12	5.0	90	3.54	70	2.76	106.0	4.17	2.00	4.41	1	A、B
RE7-12		7.0	151	5.94	65	2.56	97.5	3.84	2.50	5.51	4	B
RE12-12		12.0	151	5.94	98	3.86	97.5	3.84	4.00	8.82	4	B