



RELIABILITY Power Systems

Nickel Cadmium Batteries



Rated Voltage: 1.2V
Capacity: 5Ah~1200Ah
Excellent discharge performance, small internal resistance
Resistant to overcharge and overdischarge
Temperature range -40 °C ~ + 50 °C
High reliability and simple maintenance.

This series of battery is suitable for high rate discharge (high power), widely used in military, aviation, rail transit vehicles, high-speed train, AGV car, electric power, shipbuilding, internal combustion engine, oil machine and starting power of dc motor.

Ni- Cd Battery

Nickel Cadmium Battery

Ni-Cd 1.2V



Item	GN model	GNZ model	GNG model	GNC model
Model	KPL	KPM	KPH	KPX
Discharge Rate	Low discharge rate	Middle discharge rate	High discharge rate	Super high discharge rate
Capacity	10-1200ah	10-1000ah	20ah-500ah	5ah-210ah
Description	Low discharge rate over long period from 2 hours to 5 hours.	Middle discharge rate between 30 minutes to 2 hours.	High discharge rate over short period less than 30 minute	Super high discharge rate less than 20 minutes.
Standard	IEC60623	IEC60623	IEC60623	IEC60623



Low Discharge Rate Nickel- Cadmium Rechargeable Battery

Model	Normal Voltage (V)	Rated Capacity (Ah)	Weight with Electrolyte (KG)	Approx Dimension						Screws of Terminals	Foreign Model
				Length(± 3 mm)		Width(± 3 mm)		Height(± 3 mm)			
				(mm)	(in.)	(mm)	(in.)	(mm)	(in.)		
GN10	1.2	10	0.66	85	3.35	39	1.54	126	4.96	M5	KPL10
GN20	1.2	20	1.8	144	5.67	53	2.09	246	9.69	M5	KPL20
GN40	1.2	40	2.7	144	5.67	53	2.09	246	9.69	M10x 1	KPL40
GN50	1.2	50	3.2	142	5.59	67	2.64	229	9.02	M10x 1	KPL50
GN60	1.2	60	3.9	135	5.31	52	2.05	368	14.49	M10x 1	KPL60
GN100	1.2	100	6.5	139	5.47	79	3.11	362	14.25	M10x 1	KPL100
GN125	1.2	125	6.8	131	5.16	71	2.80	349	13.74	M10x 1	KPL125
GN150	1.2	150	13	167	6.57	162	6.38	343	13.50	M20x 1.5	KPL150
GN200	1.2	200	14	167	6.57	162	6.38	343	13.50	M20x 1.5	KPL200
GN250	1.2	250	17	174	6.85	161	6.34	557	21.93	M20x 1.5	KPL250
GN300	1.2	300	22.8	176	6.93	161	6.34	540	21.26	M20x 1.5	KPL300
GN350	1.2	350	23	176	6.93	161	6.34	535	21.06	M20x 1.5	KPL350
GN400	1.2	400	25	176	6.93	161	6.34	535	21.06	M20x 1.5	KPL400
GN500	1.2	500	39	290	11.42	172	6.77	505	19.88	M20x 1.5	KPL500
GN600	1.2	600	50	291	11.46	174	6.85	506	19.92	M20x 1.5	KPL600
GN800	1.2	800	63	398	15.67	184	7.24	562	22.13	M20x 1.5	KPL800
GN1000	1.2	1000	73	398	15.67	184	7.24	560	22.05	M20x 1.5	KPL1000
GN1100	1.2	1100	74.5	398	15.67	184	7.24	560	22.05	M20x 1.5	KPL1100
GN1200	1.2	1200	75	398	15.67	184	7.24	560	22.05	M20x 1.5	KPL1200

Medium Discharge Rate Nickel- Cadmium Rechargeable Battery

Model	Normal Voltage (V)	Rated Capacity (Ah)	Weight with Electrolyte (KG)	Approx Dimension						Screws of Terminals	Foreign Model
				Length(± 3 mm)		Width(± 3 mm)		Height(± 3 mm)			
				(mm)	(in.)	(mm)	(in.)	(mm)	(in.)		
GNZ20	1.2	20	3.5	142	5.59	66	2.60	227	8.94	M10x 1	KPM20
GNZ30	1.2	30	3.5	142	5.59	66	2.60	227	8.94	M10x 1	KPM30
GNZ40	1.2	40	5	139	5.47	79	3.11	291	11.46	M16	KPM40
GNZ50	1.2	50	5	139	5.47	79	3.11	291	11.46	M16	KPM50
GNZ60	1.2	60	5.5	138	5.43	78	3.07	290	11.42	M16	KPM60
GNZ75	1.2	75	6.5	139	5.47	79	3.11	361	14.21	M16	KPM75
GNZ80	1.2	80	6.5	139	5.47	79	3.11	361	14.21	M16	KPM80
GNZ85	1.2	85	9.3	165	6.50	105	4.13	350	13.78	M20x 1.5	KPM85
GNZ100	1.2	100	9.3	165	6.50	105	4.13	350	13.78	M20x 1.5	KPM100
GNZ120	1.2	120	12.5	167	6.57	162	6.38	343	13.50	M20x 1.5	KPM120
GNZ150	1.2	150	13.5	167	6.57	162	6.38	343	13.50	M20x 1.5	KPM150
GNZ200	1.2	200	24.5	284	11.18	172	6.77	348	13.70	M20x 1.5	KPM200
GNZ300	1.2	300	25	232	9.13	172	6.77	425	16.73	M16	KPM300
GNZ400	1.2	400	36	291	11.46	174	6.85	501	19.72	M20x 1.5	KPM400
GNZ500	1.2	500	39	291	11.46	174	6.85	501	19.72	M20x 1.5	KPM500
GNZ600	1.2	600	44	397	15.63	183	7.20	564	22.20	M20x 1.5	KPM600
GNZ700	1.2	700	49	397	15.63	183	7.20	564	22.20	M20x 1.5	KPM700
GNZ800	1.2	800	66	397	15.63	183	7.20	564	22.20	M20x 1.5	KPM800
GNZ1000	1.2	1000	76	398	15.67	184	7.24	572	22.52	M20x 1.5	KPM1000

High Discharge Rate Nickel- Cadmium Rechargeable Battery

Model	Normal Voltage (V)	Rated Capacity (Ah)	Weight with Electrolyte (KG)	Approx Dimension						Screws of Terminals	Foreign Model
				Length(± 3 mm)		Width(± 3 mm)		Height(± 3 mm)			
				(mm)	(in.)	(mm)	(in.)	(mm)	(in.)		
GNG20	1.2	20	5	139	5.47	79	3.11	291	11.46	M16	KPH20
GNG30	1.2	30	5	139	5.47	79	3.11	291	11.46	M16	KPH30
GNG40	1.2	40	6.5	139	5.47	79	3.11	361	14.21	M16	KPH40
GNG50	1.2	50	6.5	139	5.47	79	3.11	361	14.21	M16	KPH50
GNG60	1.2	60	9.3	165	6.50	105	4.13	350	13.78	M20x 1.5	KPH60
GNG70	1.2	70	9.3	165	6.50	105	4.13	350	13.78	M20x 1.5	KPH70
GNG80	1.2	80	9.3	165	6.50	105	4.13	350	13.78	M20x 1.5	KPH80
GNG100	1.2	100	13.5	167	6.50	162	6.38	343	13.50	M20x 1.5	KPH100
GNG120	1.2	120	13.5	167	6.57	162	6.38	343	13.50	M20x 1.5	KPH120
GNG150	1.2	150	24.5	284	11.18	172	6.77	348	13.70	M20x 1.5	KPH150
GNG200	1.2	200	39	291	11.46	174	6.85	501	19.72	M20x 1.5	KPH200
GNG250	1.2	250	39	291	11.46	174	6.85	501	19.72	M20x 1.5	KPH250
GNG300	1.2	300	39	291	11.46	174	6.85	501	19.72	M20x 1.5	KPH300
GNG400	1.2	400	66	397	15.63	183	7.20	564	22.20	M20x 1.5	KPH400
GNG500	1.2	500	66	397	15.63	183	7.20	564	22.20	M20x 1.5	KPH500
GNG600	1.2	600	71	520	20.47	186	7.32	570	22.44	M20x 1.5	KPH600
GNG700	1.2	700	78	520	20.47	186	7.32	570	22.44	M20x 1.5	KPH700
GNG800	1.2	800	82	520	20.47	186	7.32	570	22.44	M20x 1.5	KPH800

Super- high Discharge Rate Nickel- Cadmium Sintered Battery

Model	Normal Voltage (V)	Rated Capacity (Ah)	Weight with Electrolyte (KG)	Approx Dimension						Screws of Terminals	Foreign Model
				Length(± 3 mm)		Width(± 3 mm)		Height(± 3 mm)			
				(mm)	(in.)	(mm)	(in.)	(mm)	(in.)		
GNC5	1.2	5	0.5	81	3.19	26	1.02	163	6.42	M8	KPX5
GNC10	1.2	10	0.58	81	3.19	26	1.02	163	6.42	M8	KPX10
GNC20	1.2	20	1.22	81	3.19	34	1.34	245	9.65	M10	KPX20
GNC30	1.2	30	1.68	81	3.19	43	1.69	266	10.47	M10	KPX30
GNC40	1.2	40	1.85	81	3.19	43	1.69	266	10.47	M10	KPX40
GNC50	1.2	50	3.5	138	5.43	61	2.40	266	10.47	M16	KPX50
GNC60	1.2	60	3.8	138	5.43	61	2.40	266	10.47	M16	KPX60
GNC70	1.2	70	3.8	138	5.43	61	2.40	266	10.47	M16	KPX70
GNC80	1.2	80	4	138	5.43	61	2.40	266	10.47	M16	KPX80
GNC90	1.2	90	4.1	138	5.43	61	2.40	266	10.47	M16	KPX90
GNC100	1.2	100	4.1	138	5.43	61	2.40	266	10.47	M16	KPX100
GNC110	1.2	110	4.3	138	5.43	61	2.40	266	10.47	M16	KPX110
GNC120	1.2	120	5.3	139	5.47	79	3.11	295	11.61	M16	KPX120
GNC130	1.2	130	5.4	139	5.47	79	3.11	295	11.61	M16	KPX130
GNC140	1.2	140	9	139	5.47	79	3.11	361	14.21	M16	KPX140
GNC150	1.2	150	9.3	139	5.47	79	3.11	361	14.21	M16	KPX150
GNC160	1.2	160	10	165	6.50	105	4.13	350	13.78	M20	KPX160
GNC170	1.2	170	10	139	5.47	79	3.11	361	14.21	M16	KPX170
GNC190	1.2	190	11.1	166	6.54	106	4.17	350	13.78	M20	KPX190
GNC210	1.2	210	11.7	166	6.54	106	4.17	350	13.78	M20	KPX210



Reliability Power Systems Australia

Level 17, 40 Mount St. North Sydney
NSW 2060, Australia
reliability.@reliability-power.com
T: +61 2 8005 4796

Reliability Power Systems

Reliability Power Systems Canada

4th Floor 2 County Blvd, Brampton
ON L6W 3W8, Canada
reliability.canada@reliability-power.com

Reliability Power Systems Europe

New Summer St, Birmingham
West Midlands B19, UK
reliability.europe@reliability-power.com

Reliability Power Systems Middle East

Level 9 Jameel Sq, Thahlia St.
Jeddah, Kingdom of Saudi Arabia
reliability.MENA@reliability-power.com

Reliability Power Systems Asia Pacific

5/F China Life Tower, No.16 Chaowai St.
Chaoyang Dist, Beijing 100020, China
reliability.china@reliability-power.com