



OREMA Power, Reliable Energy

SPECIFICATIONS

UN Series General Purpose Battery

AGM (Absorbed Glass Mat) technology is used in the design of UN Series VRLA batteries. For a typical power backup system, high-performance plates and electrolyte provide additional power output. General-purpose batteries of the UN Series have a 5–12 year floating design life at 25°C. Meet with CE, TLC, and UL approved.

PRODUCT FEATURES

- ▲ Voltage: 4V/6V/8V/12V/24V
- ▲ Capacity range: (C20)0.8Ah-28Ah
(C10)33Ah-250Ah
- ▲ Designed floating life: $\leq 28\text{Ah}$ 5–8 years(25°C)
 $> 28\text{Ah}$, 10–12 years(25°C)
- ▲ Low self-discharge rate: $\leq 2\%$ /month(25°C)
- ▲ High gas recombination efficiency: $\geq 98\%$
- ▲ Operation temperature range: -20~60°C

APPLICATIONS

- ▲ Electronic toys
- ▲ Emergency power supply systems
- ▲ UPS&EPS systems
- ▲ Generators starting
- ▲ Alarm and security systems
- ▲ Telecommunication systems

STANDARD COMPLIANT

- ▲ GB/T19639.1-2005
- ▲ IEC60B96-21/22:2004
- ▲ IEC61056-1/2:2002
- ▲ BS6290-4:1997



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SPECIFICATIONS

Model	Voltage	Capacity	Dimension(±1mm)								Weight±3%		Terminal
			Length		Width		Height		Total Height				
	(V)	(Ah)	mm	inch	mm	inch	mm	inch	mm	inch	kg	pound	
UN3.5-4	4	3.5	91	3.58	34	1.34	60	2.36	66	2.60	0.4	0.88	F1
UN3.5-4C	4	3.5	47	1.85	47	1.85	101	3.98	106	4.17	0.4	0.88	F1
UN4.5-4S	4	4.5	48	1.89	52	2.05	94	3.70	99	3.90	0.52	1.15	F1
UN6-4	4	6	70	2.76	47	1.85	101	3.98	107	4.21	0.65	1.43	F1
UN10-4	4	10	102	4.02	44	1.73	95	3.74	101	3.98	0.98	2.16	F1
UN20-4	4	20	149	5.87	43	1.69	154	6.06	159	6.26	2.1	4.63	F1/F2
UN1.2-6	6	1.2	97	3.82	24	0.94	52	2.05	58	2.28	0.3	0.66	F1
UN2.0-6	6	2	43	1.69	37	1.46	76	2.99	76	2.99	0.34	0.75	T5
UN2.8-6	6	2.8	66	2.60	33	1.30	97	3.82	104	4.09	0.55	1.21	F1
UN3-6	6	3	43	1.69	47.5	1.87	86	3.39	86	3.39	0.45	0.99	F1
UN3.2-6	6	3.2	134	5.28	34	1.34	61	2.40	67	2.64	0.64	1.41	F1
UN3.5-6	6	3.5	134	5.28	34	1.34	61	2.40	67	2.64	0.66	1.46	F1
UN4-6	6	4	70	2.76	47	1.85	101	3.98	107	4.21	0.7	1.54	F1/F2
UN4.2-6	6	4.2	70	2.76	47	1.85	101	3.98	107	4.21	0.72	1.59	F1/F2
UN4.5-6	6	4.5	70	2.76	47	1.85	101	3.98	107	4.21	0.75	1.65	F1/F2
UN5-6	6	5	70	2.76	47	1.85	101	3.98	107	4.21	0.8	1.76	F1/F2
UN5-6S	6	4.6	67	2.64	67	2.64	96	3.78	109	4.29	0.8	1.76	T7
UN6-6	6	6	84	3.31	48	1.89	112	4.41	118	4.65	0.95	2.09	F1/F2
UN7-6	6	7	151	5.94	34	1.34	94	3.70	100	3.94	1.08	2.38	F1/F2
UN7.2-6	6	7.2	151	5.94	34	1.34	94	3.70	100	3.94	1.1	2.43	F1/F2
UN8-6	6	8	151	5.94	34	1.34	94	3.70	100	3.94	1.2	2.65	F1/F2
UN8-6S	6	8	98	3.86	56	2.20	117	4.61	117	4.61	1.35	2.98	F1/F2
UN10-6	6	10	151	5.94	50	1.97	94	3.70	100	3.94	1.55	3.42	F1/F2
UN12-6	6	12	151	5.94	50	1.97	94	3.70	100	3.94	1.7	3.75	F1/F2
UN14-6T	6	14	108	4.25	71	2.80	140	5.51	140	5.51	2.3	5.07	F1/F2/T8
UN36-6	6	36	166	6.54	88	3.46	163	6.42	168	6.61	5.5	12.13	F1/F2
UN100-6X	6	100	195	7.68	170	6.69	207	8.15	213	8.39	16.5	36.38	F12
UN150-6X	6	150	260	10.24	180	7.09	247	9.72	251	9.88	23.5	51.81	F12
UN180-6X	6	180	306	12.05	168	6.61	220	8.66	226	8.90	26.5	58.42	F12
UN200-6X	6	200	306	12.05	168	6.61	220	8.66	226	8.90	27.5	60.63	F12
UN200-6XII	6	200	250	9.84	125	4.92	362	14.25	366	14.41	31	68.34	F12
UN200-6SX	6	200	260	10.24	180	7.09	247	9.72	251	9.88	29	63.93	F12
UN220-6X	6	220	260	10.24	180	7.09	247	9.72	251	9.88	31	68.34	F12
UN225-6X	6	225	323	12.72	178	7.01	226	8.90	229	9.02	31	68.34	F12
UN300-6	6	300	295	11.61	178	7.01	345	13.58	365	14.37	47	103.62	F12/AM
UN3.2-8	8	3.2	68	2.68	49	1.93	91	3.58	91	3.58	0.75	1.65	F1
UN3.2-8S	8	3.2	134	5.28	36	1.42	63	2.48	69	2.72	0.8	1.76	F1
UN150-8X	8	150	260	10.24	180	7.09	295	11.61	300	11.81	29.5	65.04	F12
UN0.8-12	12	0.8	96	3.78	25	0.98	62	2.44	62	2.44	0.35	0.77	T13/T9
UN1.2-12	12	1.2	97	3.82	43	1.69	52	2.05	58	2.28	0.56	1.23	F1
UN2.0-12M	12	2	150	5.91	20	0.79	90	3.54	90	3.54	0.75	1.65	T11
UN2.3-12	12	2.3	178	7.01	35	1.38	61	2.40	67	2.64	0.94	2.07	F1
UN2.3-12C	12	2	182	7.17	24	0.94	61	2.40	61	2.40	0.72	1.59	T10
UN2.5-12	12	2.5	104	4.09	47	1.85	70	2.76	70	2.76	0.85	1.87	F1
UN2.6-12	12	2.6	178	7.01	35	1.38	61	2.40	67	2.64	1	2.20	F1
UN2.6-12S	12	2.6	70	2.76	47	1.85	101	3.98	107	4.21	0.86	1.90	F1
UN2.8-12	12	2.8	104	4.09	47	1.85	70	2.76	70	2.76	0.9	1.98	F1
UN2.9-12	12	2.9	79	3.11	55.5	2.19	98.5	3.88	104	4.09	1.08	2.38	F1
UN3.2-12	12	3.2	134	5.28	67	2.64	61	2.40	67	2.64	1.29	2.84	F1
UN3.5-12	12	3.5	134	5.28	67	2.64	61	2.40	67	2.64	1.32	2.91	F1
UN4-12	12	4	90	3.54	70	2.76	101	3.98	107	4.21	1.4	3.09	F1/F2
UN4-12L	12	4	195	7.68	47	1.85	71	2.80	76	2.99	1.52	3.35	F1
UN4.5-12	12	4.5	90	3.54	70	2.76	101	3.98	107	4.21	1.47	3.24	F1/F2
UN4.5-12S	12	4.5	140	5.51	48	1.89	102	4.02	104	4.09	1.47	3.24	F1/F2
UN5-12	12	5	90	3.54	70	2.76	101	3.98	107	4.21	1.62	3.57	F1/F2
UN5.5-12S	12	5.5	140	5.51	48	1.89	102	4.02	104	4.09	1.75	3.86	F1/F2
UN6-12	12	6	151	5.94	51	2.01	93	3.66	99	3.90	1.7	3.75	F1/F2



Model	Voltage	Capacity	Dimension(±1mm)								Weight±3%		Terminal
	(V)	(Ah)	Length		Width		Height		Total Height				
			mm	inch	mm	inch	mm	inch	mm	inch	kg	pound	
UN6.5-12	12	6.5	151	5.94	65	2.56	94	3.70	100	3.94	1.95	4.30	F1/F2
UN7-12	12	7	151	5.94	65	2.56	94	3.70	100	3.94	2.05	4.52	F1/F2
UN7.2-12	12	7.2	151	5.94	65	2.56	94	3.70	100	3.94	2.15	4.74	F1/F2
UN7.5-12	12	7.5	151	5.94	65	2.56	94	3.70	100	3.94	2.2	4.85	F1/F2
UN8-12	12	8	151	5.94	65	2.56	94	3.70	100	3.94	2.3	5.07	F1/F2
UN9-12	12	9	151	5.94	65	2.56	94	3.70	100	3.94	2.5	5.51	F1/F2
UN10-12	12	10	151	5.94	98	3.86	95	3.74	101	3.98	3.1	6.83	F1/F2
UN10-12S	12	10	151	5.94	65	2.56	110	4.33	117	4.61	3.05	6.72	F1/F2
UN12-12	12	12	151	5.94	98	3.86	95	3.74	101	3.98	3.4	7.50	F1/F2
UN17-12	12	17	181	7.13	77	3.03	167	6.57	167	6.57	5.1	11.24	F3/F13
UN18-12	12	18	181	7.13	77	3.03	167	6.57	167	6.57	5.15	11.35	F3/F13
UN20-12	12	20	181	7.13	77	3.03	167	6.57	167	6.57	5.5	12.13	F3/F13
UN22-12	12	22	181	7.13	77	3.03	167	6.57	167	6.57	6	13.23	F3/F13
UN24-12	12	24	165	6.50	175	6.89	125	4.92	125	4.92	7.6	16.75	F4/F13
UN24-12S	12	24	165	6.50	125	4.92	175	6.89	182	7.17	8.3	18.30	F6/F13
UN26-12	12	26	165	6.50	175	6.89	125	4.92	125	4.92	7.8	17.20	F4/F13
UN28-12	12	28	166	6.54	175	6.89	125	4.92	125	4.92	8.3	18.30	F4/F13
UN28-12S	12	28	165	6.50	125	4.92	175	6.89	182	7.17	9	19.84	F6/F13
UN33-12	12	33	195	7.68	130	5.12	155	6.10	180	7.09	10.2	22.49	F7/F11
UN33-12HX	12	35	195	7.68	130	5.12	155	6.10	168	6.61	10.6	23.37	F7/F11
UN38-12	12	38	197	7.76	165	6.50	170	6.69	170	6.69	12.3	27.12	F4/F11
UN40-12	12	40	197	7.76	165	6.50	170	6.69	170	6.69	12.8	28.22	F4/F11
UN42-12	12	42	197	7.76	165	6.50	170	6.69	170	6.69	13.2	29.10	F4/F11
UN45-12	12	45	197	7.76	165	6.50	170	6.69	170	6.69	13.8	30.42	F4/F11
UN45-12H	12	45	197	7.76	165	6.50	170	6.69	170	6.69	14	30.86	F4/F11
UN50-12S	12	50	250	9.84	160	6.30	178	7.01	197	7.76	15.8	34.83	F5/F11
UN50-12SE	12	50	250	9.84	160	6.30	178	7.01	197	7.76	15.3	33.73	F5/F11
UN55-12SG	12	55	229	9.02	138	5.43	208	8.19	227	8.94	16.2	35.71	F5/F11
UN55-12SGH	12	55	229	9.02	138	5.43	208	8.19	227	8.94	17.4	38.36	F5/F11
UN60-12S	12	60	250	9.84	160	6.30	178	7.01	197	7.76	18	39.68	F5/F11
UN60-12B	12	60	250	9.84	160	6.30	178	7.01	197	7.76	17	37.48	F5/F11
UN65-12	12	65	350	13.78	167	6.57	179	7.05	179	7.05	19.6	43.21	F5/F11
UN65-12W	12	65	350	13.78	167	6.57	179	7.05	179	7.05	20.5	45.19	F5/F11
UN70-12	12	70	260	10.24	169	6.65	208	8.19	231	9.09	21.5	47.40	F9/F11
UN75-12	12	75	260	10.24	169	6.65	208	8.19	231	9.09	22.5	49.60	F9/F11
UN80-12	12	80	350	13.78	167	6.57	179	7.05	179	7.05	22.5	49.60	F5/F11
UN80-12H	12	80	350	13.78	167	6.57	179	7.05	179	7.05	23	50.71	F5/F11
UN90-12	12	90	306	12.05	169	6.65	208	8.19	231	9.09	26	57.32	F12/F17
UN90-12H	12	90	306	12.05	169	6.65	208	8.19	231	9.09	28	61.73	F12/F17
UN100-12EX	12	100	328	12.91	171	6.73	214	8.43	218	8.58	28.2	62.17	F5/F12
UN100-12HX	12	100	328	12.91	171	6.73	214	8.43	218	8.58	30.5	67.24	F5/F12
UN120-12EX	12	120	410	16.14	176	6.93	227	8.94	227	8.94	33.5	73.85	F5/F12
UN120-12H	12	120	410	16.14	176	6.93	227	8.94	227	8.94	35.5	78.26	F5/F12
UN120-12S	12	120	328	12.91	171	6.73	214	8.43	220	8.66	32.5	71.65	F5/F12
UN134-12X	12	134	341	13.43	173	6.81	283	11.14	288	11.34	40	88.18	F12
UN134-12HX	12	134	341	13.43	173	6.81	283	11.14	288	11.34	43	94.80	F12
UN150-12EX	12	150	482	18.98	170	6.69	242	9.53	242	9.53	42	92.59	F5/F12
UN150-12H	12	150	482	18.98	170	6.69	242	9.53	242	9.53	43.5	95.90	F5/F12
UN170-12	12	170	532	20.94	207	8.15	215	8.46	240	9.45	51	112.43	F12/F16
UN190-12S	12	190	532	20.94	207	8.15	215	8.46	240	9.45	53.5	117.95	F12/F16
UN200-12S	12	200	532	20.94	207	8.15	215	8.46	240	9.45	55	121.25	F12/F16
UN200-12EX	12	200	522	20.55	238	9.37	218	8.58	223	8.78	57.5	126.76	F12/F16
UN200-12H	12	200	522	20.55	238	9.37	218	8.58	240	9.45	60	132.28	F12/F16
UN220-12	12	220	522	20.55	238	9.37	218	8.58	240	9.45	62	136.69	F12/F16
UN250-12X	12	250	520	20.47	269	10.59	220	8.66	224	8.82	69.5	153.22	F12/F16
UN7-24	24	7	200	7.87	99	3.90	126	4.96	126	4.96	4.3	9.48	F1/F2
UN10-24	24	10	200	7.87	99	3.90	165	6.50	165	6.50	6	13.23	F1/F2