Safety Precautions

- Be sure to read through the instruction manual before using the battery.
- Keep the instruction manual near at hand for future reference.

Danger

Measures to prevent serious injury or death

- Be sure to ventilate the chamber where the battery is used so that the hydrogen concentration is kept at 0.2% or lower. Do not install the battery in an enclosed space. The battery may generate hydrogen gas, thus causing ignition or explosion.
- Do not short-circuit the positive (+) terminal and the negative (-) terminal of the battery. If using metallic tools such as wrenches or spanners ensure they are insulated with an insulating material. Otherwise burns, leakage of electrolyte, fire or explosion may result.
- Do not heat the battery, use near flames or other hot objects such as transformers. Otherwise leakage of electrolyte, fire or explosion may result.
- The battery contains poisonous diluted sulfuric acid. If the battery is damaged and electrolyte is attached to skin or clothing, immediately wash it off with large amounts of water. If it gets into eyes, wash with clean tap water and immediately seek medical treatment.
- Use only a damp cloth to wipe the battery. Using a dry cloth or duster may cause a build up of static electricity, thus resulting in an explosion.

Warning

Measures to prevent death, serious injury or minor injury

- Do not disassemble, modify or damage the battery.
- Be sure to replace the battery before the replacement period specified on the expiry label or in the instruction manual. Otherwise leakage of electrolyte, fire or explosion may result.
- Be sure to check the polarity (+, -) when making connections. Connections to reverse polarities may result in fire or damage to the charger.
- Do not use the battery if visible defects are present, such as corrosion of terminals, liquid leakage, or deformation of the battery container. Otherwise leakage of electrolyte, fire or explosion may result.

Cautions

Measures to prevent minor injury and / or damage to property

- Do not store the battery in a high temperature environment such as inside sun-heated vehicles, or intense direct sunlight. Otherwise the temperature of the battery may increase, thus causing leakage of electrolyte, fire or explosion.
- Be sure to use an exclusive battery charger to charge the battery, or charge it while observing charging conditions specified by Century Yuasa Batteries. Otherwise the battery may not charge fully, leakage of electrolyte, heating, explosion, performance deterioration, or decreased service life may result.
- Do not install the battery into equipment with an enclosed structure. Otherwise the equipment may be damaged or personal injury may result.
- Do not install the battery in a place that may be subject to water immersion. Otherwise electric shock or fire may result.
- Do not install the battery 90° or more slanted from the vertical position. Otherwise leakage of electrolyte, fire or explosion may result.
- Observe the following service temperature range of the battery. Otherwise performance deterioration, reduction of service life, damage, or deformation of the battery may result.
- Discharge: -15°C to +50°C Charge: -15°C to +45°C Storage: -15°C to +45°C.
- Be sure to perform periodic inspections of the battery at intervals specified by the local fire law or other regulations. Correct the items that do not conform to the description of the instruction manual. Otherwise damage or burnout of the battery may result.
- Be sure to keep the discharging current of the battery lower than the maximum value specified in the specification. Otherwise leakage of electrolyte, heating or explosion may result.
- Do not use the battery in places subjected to excessive dust. Otherwise short-circuit of the battery may result. (If it is used in a dusty location, check the status of the battery periodically.)
- Install the battery according to the relevant local fire law, or other regulations, if any.
- Be sure to allow the distance described in the specification or drawing to be maintained while installing the battery. Otherwise a failure of the battery or accident may occur. The distance to be observed may be governed by local law.
- Be sure to perform periodic inspections of the battery according to the description in the instruction manual. If applicable law exists, abide by the law in performing inspections. Contact us for inspection contract or inspection procedures.
- The battery requires electrical work to be performed by experts.
- Do not wet the battery with water or seawater. Otherwise damage of the battery, fire, or corrosion of the terminals or connecting boards may result.

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An affiliated business of the GS Yuasa Corporation, CenturyYuasa has an 80+ year history of supplying a range of stored energy solutions to the Australian market. An established network of sales and distribution offices throughout Australia and New Zealand has seen the business gain the trust and respect from its customers by focusing on quality products and exceptional customer service.

The portfolio within CenturyYuasa includes a wide range of stored energy products and services, as well as identifiable brands and unique technologies for the automotive, materials handling and standby power applications. Directly maintaining and operating three manufacturing centres in Australia and employing some 650 people, CenturyYuasa continues to be Australia's enduring manufacturer of stored energy products.

YUASA – UXH SERIES

YUASA

Valve Regulated Lead Acid UXH Batteries

Yuasa UXH batteries are constructed to yield even greater capacity than comparable batteries. The UXH uses AGM technology which ensures that there is no 'free acid' in the battery. This allows the battery to be mounted either vertically or horizontally. An additional feature of this product is Yuasa's heavy duty lead calcium-tin alloy, providing the UXH battery the ability to remain in float service for ten years. The design characteristics of the battery allow it to safely operate in high rate standby power applications.

Long Life in Standby Applications

UXH batteries use heavy duty lead calcium tin alloy grids that will provide ten years service life at 25°C.

High Rate Current Discharge

Yuasa UXH batteries are designed to have large surface areas on both the positive and negative plates. Together with the heavy duty grid design, this make the batteries suitable for high rate applications.

Sealed Construction

Yuasa's unique sealing and construction technique ensures no electrolyte leakage from terminal or case.

AGM technology

Yuasa's AGM technology offers high efficiency gas recombination that eliminates the need to replenish with water.

Low Maintenance Operation

Due to the sealed construction and the recombination of gasses within the cell, the UXH batteries require minimal maintenance.

Operation in Any Orientation

The combination of sealed construction and Yuasa's electrolyte suspension system allows the battery to operate either horizontally or vertically, with no loss of performance and no electrolyte leakage. (Excluding continuous use inverted)

Valve Regulated Design

The batteries are equipped with a safe low pressure venting system which releases excess pressure automatically then reseals.

Flame Arrestor

A safety valve and a special filter prevent the chance of battery explosion and ensure complete safety in normal use.
(Except UXH100-12N and UXH200-6N)

Recyclable Materials Used in Battery

All Yuasa lead acid batteries can be recycled.

Applications

Yuasa UXH batteries are suitable for all floating applications. Including:

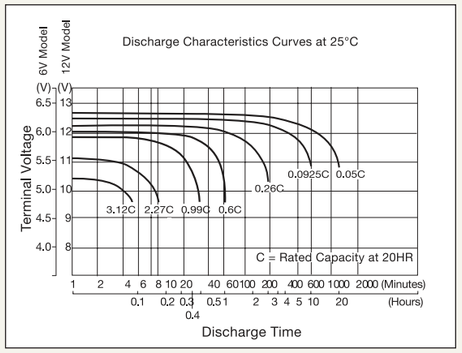
- AC UPS
- Telecommunications
- Alarm system
- Fire and security systems
- Emergency lighting
- Utilities

General Specifications

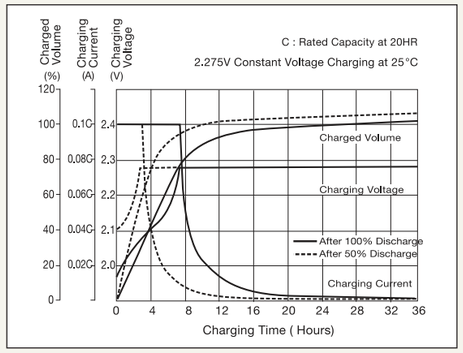
Battery	Nominal Voltage (V)	Nominal Capacity C20 (Ah)*	Dimensions (±3mm)				Weight (kg)
			Width	Depth	Height	Overall Height	
UXH75-6	6	75	217	128	190	217	16
UXH100-6	6	100	281	128	190	217	20
UXH125-6FR	6	125	345	128	190	217	24
UXH200-6N	6	200	398	176	216	250	39
UXH38-12	12	38	235	128	190	217	17
UXH50-12	12	50	299	128	190	217	21
UXH63-12FR	12	63	363	128	190	217	25
UXH100-12N	12	100	407	172.5	210	240	40

*End voltage 1.80 Vpc @ 25°C

Discharge Characteristics



Charging Characteristics



Performance Data

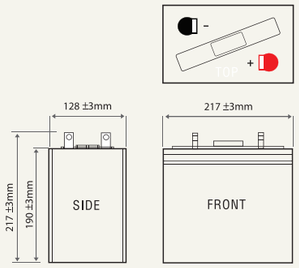
Constant current (Amps per cell) discharge at 25°C

		Minutes										Hours						
		1	5	10	15	20	25	30	35	40	45	1	2	3	5	8	10	20
1.60 Vpc	UXH75-6	278	234	170	125	101	84.0	74.3	66.0	60.8	55.5	45.0	–	–	–	–	–	–
	UXH100-6	370	312	227	167	134	112	99.0	88.0	81.0	74.0	60.0	–	–	–	–	–	–
	UXH125-6FR	463	390	284	209	168	140	124	110	101	92.5	75.0	–	–	–	–	–	–
	UXH200-6N	740	624	452	334	268	224	198	176	162	148	120	–	–	–	–	–	–
	UXH38-12	141	119	86.3	63.5	50.9	42.6	37.6	33.4	30.8	28.1	22.8	–	–	–	–	–	–
	UXH50-12	185	156	114	83.5	67.0	56.0	49.5	44.0	40.5	37.0	30.0	–	–	–	–	–	–
	UXH63-12FR	233	197	143	105	84.4	70.6	62.4	55.4	51.0	46.6	37.8	–	–	–	–	–	–
	UXH100-12N	370	312	227	167	134	112	99.0	88.0	81.0	74.0	60.0	–	–	–	–	–	–
1.70 Vpc	UXH75-6	243	209	146	113	94.5	81.8	72.0	63.8	57.8	53.3	43.5	27.0	19.5	–	–	–	–
	UXH100-6	324	278	194	151	126	109	96.0	85.0	77.0	71.0	58.0	36.0	26.0	–	–	–	–
	UXH125-6FR	405	348	243	189	158	136	120	106	96.3	88.8	72.5	45.0	32.5	–	–	–	–
	UXH200-6N	648	556	388	302	252	218	192	170	154	142	116	72.0	52.0	–	–	–	–
	UXH38-12	123	106	73.7	57.4	47.9	41.4	36.5	32.3	29.3	27.0	22.0	13.7	9.9	–	–	–	–
	UXH50-12	162	139	97.0	75.5	63.0	54.5	48.0	42.5	38.5	35.5	29.0	18.0	13.0	–	–	–	–
	UXH63-12FR	204	175	122	95.1	79.4	68.7	60.5	53.6	48.5	44.7	36.5	22.7	16.4	–	–	–	–
	UXH100-12N	324	278	194	151	126	109	96.0	85.0	77.0	71.0	58.0	36.0	26.0	–	–	–	–
1.80 Vpc	UXH75-6	196	170	126	104	88.5	76.5	69.0	61.5	55.5	51.8	42.0	25.5	18.8	12.0	8.3	6.9	3.8
	UXH100-6	261	227	168	139	118	102	92.0	82.0	74.0	69.0	56.0	34.0	25.0	16.0	11.0	9.3	5.0
	UXH125-6FR	326	284	210	174	148	128	115	103	92.5	86.3	70.0	42.5	31.3	20.0	13.8	11.6	6.3
	UXH200-6N	520	452	336	278	236	204	184	164	148	138	112	68.0	50.0	32.0	22.0	18.6	10.0
	UXH38-12	99.2	86.3	63.8	52.8	44.8	38.8	35.0	31.2	28.1	26.2	21.3	12.9	9.5	6.1	4.2	3.5	1.9
	UXH50-12	131	114	84.0	69.5	59.0	51.0	46.0	41.0	37.0	34.5	28.0	17.0	12.5	8.0	5.5	4.6	2.5
	UXH63-12FR	164	143	106	87.6	74.3	64.3	58.0	51.7	46.6	43.5	35.3	21.4	15.8	10.1	6.9	5.8	3.2
	UXH100-12N	261	227	168	139	118	102	92.0	82.0	74.0	69.0	56.0	34.0	25.0	16.0	11.0	9.3	5.0
1.85 Vpc	UXH75-6	167	136	107	89.3	78.1	68.2	62.5	55.6	51.7	46.9	39.5	23.4	17.4	11.7	7.8	6.5	3.7
	UXH100-6	222	182	143	119	104	90.9	83.3	74.1	69.0	62.5	52.6	31.3	23.3	15.6	10.4	8.7	5.0
	UXH125-6FR	278	227	179	149	130	114	104	92.6	86.2	78.1	65.8	39.1	29.1	19.5	13.0	10.9	6.2
	UXH200-6N	444	364	286	238	208	182	167	148	138	125	105	62.6	46.6	31.2	20.8	17.4	10.0
	UXH38-12	84.4	69.1	54.3	45.2	39.6	34.5	31.7	28.1	26.2	23.8	20.0	11.9	8.8	5.9	4.0	3.3	1.9
	UXH50-12	111	90.9	71.4	59.5	52.1	45.5	41.7	37.0	34.5	31.3	26.3	15.6	11.6	7.8	5.2	4.3	2.5
	UXH63-12FR	140	115	90.0	75.0	65.6	57.3	52.5	46.7	43.4	39.4	33.2	19.7	14.7	9.8	6.6	5.5	3.1
	UXH100-12N	222	182	143	119	104	90.9	83.3	74.1	69.0	62.5	52.6	31.3	23.3	15.6	10.4	8.7	5.0
1.90 Vpc	UXH75-6	125	104	88.2	75.0	68.2	60.0	55.6	50.0	46.9	42.9	35.7	22.1	16.3	10.7	7.1	6.0	3.3
	UXH100-6	167	139	118	100	90.9	80.0	74.1	66.7	62.5	57.1	47.6	29.4	21.7	14.3	9.5	7.9	4.4
	UXH125-6FR	208	174	147	125	114	100	92.6	83.3	78.1	71.4	59.5	36.8	27.2	17.9	11.9	9.9	5.6
	UXH200-6N	334	278	236	200	182	160	148	133	125	114	95.2	58.8	43.4	28.6	19.0	15.8	8.8
	UXH38-12	63.3	52.8	44.7	38.0	34.5	30.4	28.1	25.3	23.8	21.7	18.1	11.2	8.3	5.4	3.6	3.0	1.7
	UXH50-12	83.3	69.4	58.8	50.0	45.5	40.0	37.0	33.3	31.3	28.6	23.8	14.7	10.9	7.1	4.8	4.0	2.2
	UXH63-12FR	105	87.5	74.1	63.0	57.3	50.4	46.7	42.0	39.4	36.0	30.0	18.5	13.7	9.0	6.0	5.0	2.8
	UXH100-12N	167	139	118	100	90.9	80.0	74.1	66.7	62.5	57.1	47.6	29.4	21.7	14.3	9.5	7.9	4.4

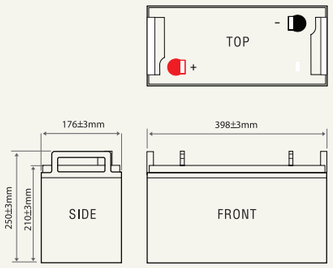
Watts per cell at 25°C

		Minutes										Hours						
		1	5	10	15	20	25	30	35	40	45	1	2	3	5	8	10	20
1.60 Vpc	UXH75-6	452	393	304	230	186	157	140	125	116	106	86.3	–	–	–	–	–	–
	UXH100-6	603	524	405	306	248	209	187	167	154	141	115	–	–	–	–	–	–
	UXH125-6FR	754	655	506	383	310	261	234	209	193	176	144	–	–	–	–	–	–
	UXH200-6N	1204	1048	808	612	496	416	374	334	308	282	230	–	–	–	–	–	–
	UXH38-12	229	199	154	116	94.2	79.4	71.1	63.5	58.5	53.6	43.7	–	–	–	–	–	–
	UXH50-12	302	262	203	153	124	105	93.5	83.5	77.0	70.5	57.5	–	–	–	–	–	–
	UXH63-12FR	380	330	255	193	156	132	118	105	97.0	88.8	72.5	–	–	–	–	–	–
	UXH100-12N	603	524	405	306	248	209	187	167	154	141	115	–	–	–	–	–	–
1.70 Vpc	UXH75-6	416	367	263	209	176	154	137	122	110	102	84.0	52.5	38.3	–	–	–	–
	UXH100-6	554	489	351	278	234	205	182	162	147	136	112	70.0	51.0	–	–	–	–
	UXH125-6FR	693	611	439	348	293	256	228	203	184	170	140	87.5	63.8	–	–	–	–
	UXH200-6N	1106	976	700	556	468	408	364	324	294	272	224	140	102	–	–	–	–
	UXH38-12	211	186	133	106	88.9	77.9	69.2	61.6	55.9	51.7	42.6	26.6	19.4	–	–	–	–
	UXH50-12	277	245	176	139	117	103	91.0	81.0	73.5	68.0	56.0	35.0	25.5	–	–	–	–
	UXH63-12FR	349	308	221	175	147	129	115	102	92.6	85.7	70.6	44.1	32.1	–	–	–	–
	UXH100-12N	554	489	651	278	234	205	182	162	147	136	112	70.0	51.0	–	–	–	–
1.80 Vpc	UXH75-6	353	310	233	196	167	146	132	118	107	99.8	81.8	49.5	36.8	24.0	16.5	13.5	7.5
	UXH100-6	471	413	311	261	223	194	176	157	143	133	109	66.0	49.0	32.0	22.0	18.0	10.0
	UXH125-6FR	589	516	389	326	279	243	220	196	179	166	136	82.5	61.3	40.0	27.5	22.5	12.5
	UXH200-6N	940	824	620	520	444	388	352	314	286	266	218	132	98.0	64.0	44.0	36.0	20.0
	UXH38-12	179	157	118	99.2	84.7	73.7	66.9	59.7	54.3	50.5	41.4	25.1	18.6	12.2	8.4	6.8	3.8
	UXH50-12	236	207	156	131	112	97.0	88.0	78.5	71.5	66.5	54.5	33.0	24.5	16.0	11.0	9.0	5.0
	UXH63-12FR	297	260	196	164	140	122	111	98.9	90.1	83.8	68.7	41.6	30.9	20.2	13.9	11.3	6.3
	UXH100-12N	471	413	311	261	223	194	176	157	143	133	109	66.0	49.0	32.0	22.0	18.0	10.0
1.85 Vpc	UXH75-6	308	255	204	172	152	133	123	109	102	92.7	76.6	45.6	34.2	23.4	15.6	12.7	7.5
	UXH100-6	411	340	271	230	202	177	163	145	137	124	102	60.8	45.5	31.3	20.8	16.9	10.0
	UXH125-6FR	514	425	339	287	253	222	204	182	171	154	128	76.0	56.9	39.1	26.0	21.1	12.4
	UXH200-6N	822	680	542	460	404	354	326	290	274	248	204	122	91.0	62.6	41.6	33.8	20.0
	UXH38-12	156	129	103	87.3	76.8	67.4	62.1	55.3	51.9	47.0	38.8	23.1	17.3	11.9	7.9	6.4	3.8
	UXH50-12	206	170	136	115	101	88.6	81.7	72.7	68.3	61.8	51.1	30.4	22.8	15.6	10.4	8.4	5.0
	UXH63-12FR	259	214	171	145	127	112	103	91.6	86.0	77.8	64.3	38.3	28.7	19.7	13.1	10.6	6.3
	UXH100-12N	411	340	271	230	202	177	163	145	137	124	102	60.8	45.5	31.3	20.8	16.9	10.0
1.90 Vpc	UXH75-6	238	198	169	144	131	116	107	96.8	90.9	83.1	69.6	43.2	32.1	21.2	14.2	11.8	6.7
	UXH100-6	317	265	225	192	175	154	143	129	121	111	92.9	57.6	42.8	28.3	18.9	15.8	8.9
	UXH125-6FR	396	331	281	239	218	193	179	161	152	139	116	72.1	53.5	35.4	23.6	19.7	11.1
	UXH200-6N	634	530	450	384	350	308	286	258	242	222	186	115	85.6	56.6	37.8	31.6	17.8
	UXH38-12	120	101	85.4	72.8	66.3	58.5	54.3	49.0	46.1	42.1	35.3	21.9	16.3	10.7	7.2	6.0	3.4
	UXH50-12	158	132	112	95.8	87.3	77.0	71.5	64.5	60.6	55.4	46.4	28.8	21.4	14.1	9.5	7.9	4.4
	UXH63-12FR	200	167	142	121	110	97.0	90.1	81.3	76.4	69.8	58.5	36.3	27.0	17.8	11.9	10.0	5.6
	UXH100-12N	317	265	225	192	175	154	143	129	121	111	92.9	57.6	42.8	28.3	18.9	15.8	8.9

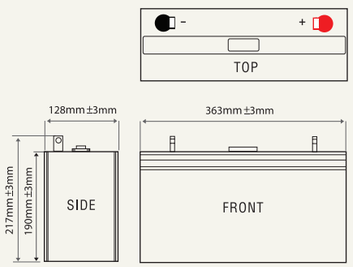
UXH75-6
Terminal type: A



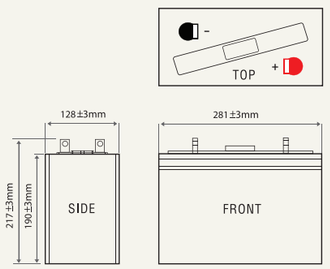
UXH200-6N
Terminal type: B



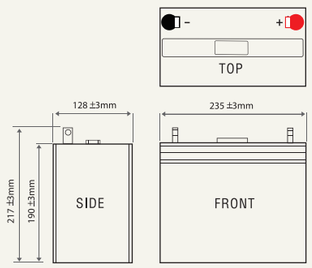
UXH63-12FR
Terminal type: A



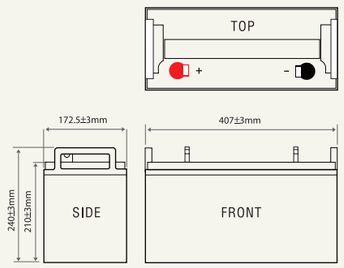
UXH100-6
Terminal type: A



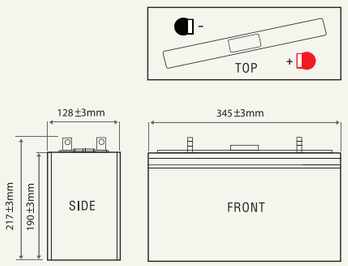
UXH38-12
Terminal type: A



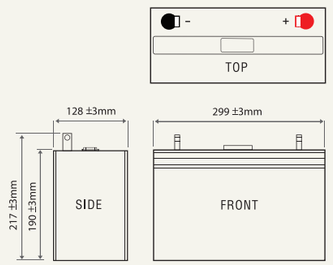
UXH100-12N
Terminal type: C



UXH125-6FR
Terminal type: A



UXH50-12
Terminal type: A



Terminals