

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

- Do not install the battery 90° or more slanted from the vertical position. Otherwise leakage of electrolyte, fire or explosion may result.
- Be sure to ventilate the chamber where the battery is used so that the hydrogen concentration is kept at 0.8% or lower. The battery may generate hydrogen gas, thus causing ignition or explosion.
- Do not short-circuit the (+) terminal and the (-) terminal of the battery. Otherwise leakage of electrolyte, fire or explosion may result.
- Do not install the battery in an enclosed space or near flames. Otherwise fire or explosion may result.
- Do not connect the (+) terminal and the (-) terminal of the battery with a metallic object such as wires. Do not allow tools such as wrenches or spanners to touch the part having different voltages. Otherwise burns, leakage of electrolyte, heating 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.
- Be sure to insulate metallic tools such as torque wrenches or spanners with vinyl tapes etc. Otherwise short circuit may result, thus causing burns and damage or explosion of the battery.
- Do not clean the battery with a dry cloth or a duster. Use a wet cloth. Otherwise static electricity may build up, thus resulting in an explosion.
- Do not incorporate the battery into equipment with closed structure. Otherwise the equipment may be damaged or personal injury may result.

Warning

Measures to prevent death, serious injury or minor injury

- Do not throw the battery into flames or heat it. Otherwise leakage of electrolyte, fire or explosion may result.
- Do not disassemble, modify or damage the battery. Otherwise leakage of electrolyte, fire or explosion may result.
- Be sure to replace the battery before the replacement period specified in the instruction manual, or on the equipment expiry label. 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 near heating objects. Otherwise leakage of electrolyte, fire or explosion may result.
- Do not use the battery if abnormal phenomenon such as corrosion of terminals, liquid leakage, or deformation of the battery container is observed. Otherwise leakage of electrolyte, fire or explosion may result.

Cautions

Measures to prevent minor injury and / or damage to property

- Do not use the battery near heating sources such as transformers, or use or store the battery in a high temperature environment such as inside sun-heated vehicles, a place subjected to intense direct sunlight, or near heaters or fire. 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 us. 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 in a place that may be subject to water immersion. Otherwise electric shock or fire 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 much dust. Otherwise short-circuit of the battery may result. (If it is used in a dusty location, be sure to 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.

YUASA – UXF SERIES

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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 UXF Valve Regulated Lead Acid Stationary Batteries

The Yuasa UXF Series is designed to provide the highest possible energy density, while offering a true 10 year design life. Incorporating valve regulated technology, Yuasa's UXF is ideally suited for 19" and 23" communication racks, with the front terminal connection providing quick and safe installation and maintenance.

Long Design Life

The expected design life is 10 years in float standby applications.

Front Access Terminals

The front terminal connection enables quick, safe and easy maintenance. With the connections being at the front it also allows for an easier installation process.

Flame Retardant

The battery container and lid are made from flame retardant ABS materials (UL94 V-0).

Quality Assurance

UXF batteries are manufactured in established Yuasa plants with ISO 9001 Quality Management Accreditation.

AGM Technology

Yuasa's AGM technology means high efficiency gas recombination and leak free non-spillable operation. The design incorporates oxygen recombination reactions to eliminate the need to replenish with water.

Valve Regulated Design

The batteries are equipped with a simple, safe low pressure venting system which releases excess gas and automatically reseals should there be a build up of gas within the battery due to severe overcharge. Note that on no account should the battery be charged in a sealed container.

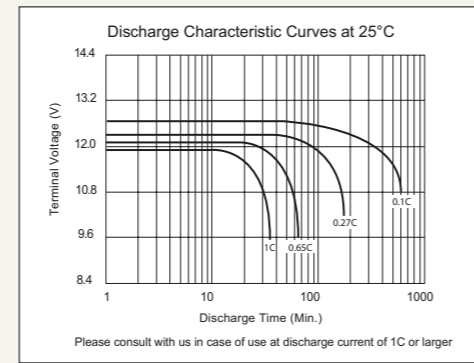


General Specifications

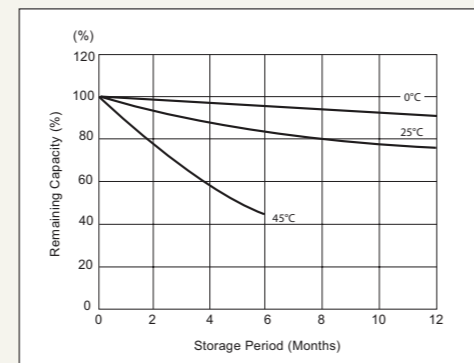
Battery	Nominal Voltage (V)	Nominal Capacity C10 (Ah)*	Dimensions (± 3mm)				Weight (Kg)
			Width	Depth	Height	Overall Height	
UXF100-12FR	12	100	108	420	306	320	39
UXF150-12FR	12	150	125	530	306	320	57

*End voltage 1.80 Vpc @ 25°C

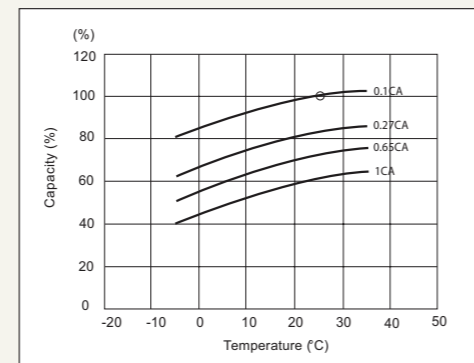
Discharge Characteristics:



Self Discharge Characteristics:



Temperature effects:



Applications

The UXF series is suitable for a wide range of standby power applications, including:

- Plant and Switching
- Business Communications
- Telecommunication Networks

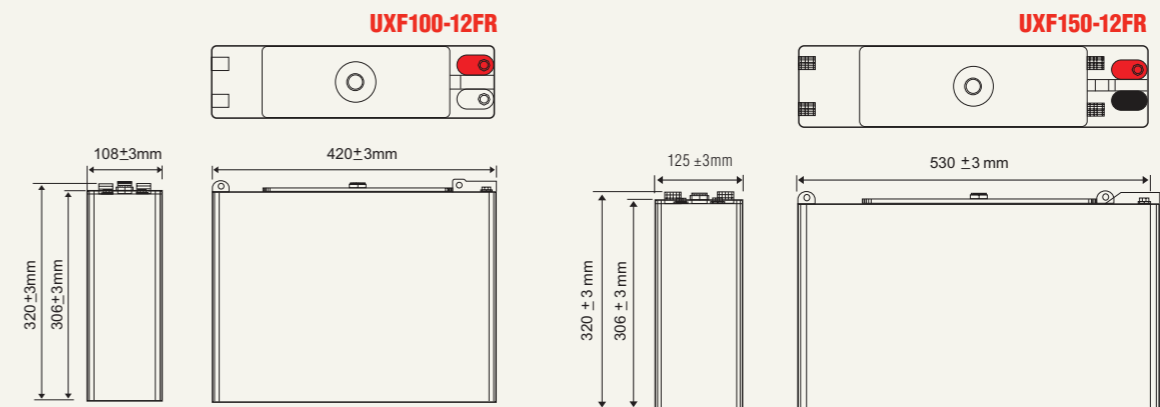
Performance Data

Constant current discharge at 25°C

Voltage (Vpc)	Model	Minutes						Hours										
		10	15	20	30	40	50	1	2	3	4	5	6	7	8	9	10	
1.60	UXF100-12FR	242	172	152	115	94.3	80.6	69.9	-	-	-	-	-	-	-	-	-	-
	UXF150-12FR	324	259	227	172	142	121	105	-	-	-	-	-	-	-	-	-	-
1.70	UXF100-12FR	232	164	143	112	93.5	79.4	69.0	39.1	28.0	22.1	18.3	-	-	-	-	-	
	UXF150-12FR	306	246	214	169	140	119	103	58.6	42.0	33.2	27.5	-	-	-	-	-	
1.80	UXF100-12FR	200	147	133	106	88.5	75.8	65.8	37.9	27.1	21.4	17.9	15.3	13.5	12.0	10.9	10.0	
	UXF150-12FR	271	221	200	160	133	114	98.7	56.8	40.7	32.1	26.8	22.9	20.2	18.1	16.3	15.0	
1.85	UXF100-12FR	160	130	118	97.1	80.0	69.0	60.6	35.1	25.6	20.0	16.7	14.3	12.7	11.4	10.2	9.3	
	UXF150-12FR	224	195	176	146	120	103	90.9	52.6	38.5	30.0	25.0	21.4	19.0	17.1	15.3	14.0	
1.90	UXF100-12FR	133	118	110	89.3	75.2	64.5	56.5	32.8	23.6	18.8	15.6	13.4	11.8	10.6	9.5	8.7	
	UXF150-12FR	193	176	165	134	113	96.8	84.7	49.2	35.5	28.1	23.4	20.1	17.7	15.9	14.3	13.0	

Watts per cell at 25°C

Voltage (Vpc)	Model	Minutes						Hours									
		10	15	20	30	40	50	1	2	3	4	5	6	7	8	9	10
1.60	UXF100-12FR	411	302	270	208	172	147	128	-	-	-	-	-	-	-	-	-
	UXF150-12FR	551	453	405	312	258	221	192	-	-	-	-	-	-	-	-	-
1.70	UXF100-12FR	402	297	260	206	172	147	126	76.0	55.0	47.0	37.0	-	-	-	-	
	UXF150-12FR	531	445	390	309	257	220	189	114	82.4	70.5	54.9	-	-	-	-	
1.80	UXF100-12FR	370	276	252	203	171	145	125	73.5	53.1	42.0	35.7	30.5	27.0	24.1	21.7	
	UXF150-12FR	501	414	378	305	256	218	188	110	79.7	63.0	53.6	45.8	40.4	36.1	32.6	
1.85	UXF100-12FR	304	251	228	190	158	137	118	68.1	50.2	39.2	33.3	28.6	25.3	22.7	20.4	
	UXF150-12FR	425	376	343	285	238	205	176	102	75.3	58.8	50.0	42.9	38.0	34.2	30.6	
1.90	UXF100-12FR	254	226	210	172	146	125	110	64.3	46.5	36.9	30.9	26.6	23.3	21.0	18.9	
	UXF150-12FR	368	338	315	258	219	188	165	96.4	69.8	55.4	46.4	39.9	35.0	31.5	28.3	



Terminal Type – M8 (female)

