

# Cat<sup>®</sup> High Rate Stationary Batteries

Uninterruptible Power Supply (UPS)



## PROVIDING THE INSTANTANEOUS POWER YOU NEED FOR DEMANDING UPS APPLICATIONS

When it comes to the performance of your UPS system, battery failure is not an option. You need instant, reliable backup power. All day, every day. That's why Cat<sup>®</sup> High Rate Batteries are designed to provide instant power to protect your critical electrical equipment from loss of power.

The sealed Valve-Regulated Lead Acid (VRLA) batteries include the latest in Absorbed Glass Mat (AGM) technology. Puncture-resistant glass mat separators absorb all the electrolyte, which lowers internal resistance and results in superior high-rate, short-term power.

Our High Rate Batteries have a proven track record of powering essential data center, hospital and other emergency or mission critical loads during a power outage. When you invest in Cat UPS Batteries, you gain the best possible power capacity and cell consistency, with long-lasting reliability.



# EXCLUSIVE DESIGN FEATURES EXTEND BATTERY LIFE, OPTIMIZE PERFORMANCE

## Advanced Absorbed Glass Mat (AGM) technology

utilizes special microporous separators to absorb all the electrolyte, lowering internal resistance, increasing power, maximizing space utilization and eliminating leaks for safe installation and storage.

## Puncture-resistant glass mat separators

lower internal resistance for superior high-rate power while protecting against failures and shorts for maximum life.

## Heavier, thicker plates

are pasted from both sides for added durability.

## Special positive-grid alloy

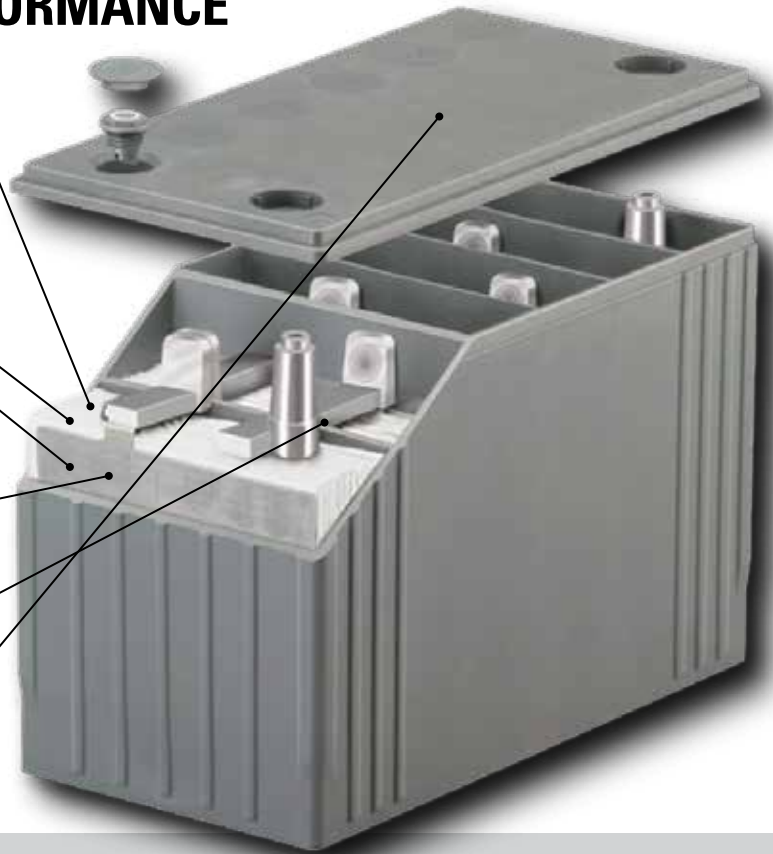
with pure lead, low calcium and high tin delivers quick, high-rate power.

## Exclusive thru-partition weld seals

ensure superior weld quality, maximizing current transfer between cells.

## Reinforced, flame-retardant (rated UL 94 V-0 28% LOI) polypropylene or standard polypropylene case and cover

resist bulging and meet safety requirements.



## Side-by-Side Comparisons Highlight the Advantages of Cat Batteries

In addition to the benefits called out above, our batteries have the following unique design elements that clearly show the advantages of replacing your current batteries with Cat High Rate Batteries.

### Cat High Rate Batteries



#### Industry-Leading Individual Plate Formation (IPF)

technology means each plate is formed and dry-charged individually, and then fully immersed in electrolyte. The result? Optimum power capacity, cell consistency and long-term reliability.

### Others



Others form their plates in the jar (container), resulting in incomplete plates.

### Cat High Rate Batteries



**Proven Epoxy Post-Seal Design** prevents electrolyte from escaping the cell and corroding the connection, which could lead to a connection failure. Our seal design is 100% factory tested, ensuring long life and proven performance.

### Others



Others fail to seal the post from the case of the battery, leading to connection failures.



**Quality Low-Pressure Self-Sealing Valves** are 100% factory tested for opening pressure, closing pressure and reverse flow. Self-sealing valves prevent premature dry-out for dependable battery service.



Others use an inferior, press-fit valve, which cannot guarantee a good seal—allowing gas to escape, reducing electrolyte content and resulting in premature failure.

## DISCHARGE RATINGS\* IN WATTS PER CELL [at 77°F (25°C)]

Cat Part Number	Volts Per Cell (VPC)	1 MIN	5 MINS	10 MINS	15 MINS	20 MINS	30 MINS	40 MINS	50 MINS	60 MINS
<b>250-0474</b>	1.60	502	256	162	121	97.5	71.3	56.6	47.4	41.0
Top Access	1.67	445	247	159	119	96.5	70.2	56.1	47.0	40.6
	1.70	418	237	156	117	94.7	69.3	55.3	46.5	40.3
	1.75	377	223	149	113	92.2	68.0	54.4	45.8	39.9
<b>250-0475</b>	1.60	569	322	222	172	141	105	84.5	71.5	62.3
Top Access	1.67	526	308	216	168	138	104	83.6	70.7	61.6
	1.70	500	300	212	166	137	103	83	70.1	61
	1.75	472	286	205	161	134	101	81.7	69	60.2
<b>250-0476</b>	1.60	1080	610	413	316	259	190	151	124	107
Top Access	1.67	972	576	400	310	254	188	149	123	106
	1.70	924	559	393	305	250	185	148	122	105
	1.75	830	519	373	293	243	182	145	120	104
<b>250-0477</b>	1.60	1200	729	489	377	311	231	184	152	131
Top Access	1.67	1063	686	475	370	305	227	181	150	130
	1.70	1015	662	464	364	300	224	180	149	129
	1.75	890	608	438	347	291	220	177	147	127
<b>250-0478</b>	1.60	1405	832	554	428	350	257	204	168	145
Top Access	1.67	1227	780	541	420	344	254	202	167	143
	1.70	1125	750	532	417	342	252	201	166	143
	1.75	1027	705	506	404	335	249	198	163	140
<b>250-0479</b>	1.60	1081	830	620	492	406	306	246	206	178
Top Access	1.67	983	760	588	475	397	301	244	204	177
	1.70	946	727	569	464	391	298	241	203	176
	1.75	836	663	531	440	375	290	236	199	173
<b>250-0483</b>	1.60	1595	1335	824	646	522	397	397	262	229
Front Access	1.67	1415	1042	807	624	513	395	395	261	226
	1.70	1279	984	778	609	512	392	392	258	224
	1.75	1199	924	757	589	501	383	383	255	223
<b>369-9959</b>	1.60	1328	964	724	572	471	350	279	-	200
Top Access	1.67	1208	888	682	550	459	345	277	-	199
	1.70	-	849	660	536	450	341	274	-	198
	1.75	-	782	622	504	429	330	268	-	196
<b>369-9960</b>	1.60	-	701	494	383	313	231	185	155	134
Front Access	1.67	-	654	472	370	306	228	183	153	133
	1.70	-	631	460	363	301	226	182	153	132
	1.75	-	580	436	350	292	221	178	150	131
<b>369-9961</b>	1.60	-	946	712	576	471	369	297	250	218
Front Access	1.67	-	864	670	550	453	360	291	247	216
	1.70	-	828	647	535	443	356	288	245	215
	1.75	-	749	602	506	420	344	280	239	210
<b>369-9962</b>	1.60	-	1196.2	960.1	794.8	671.5	509.7	411.5	345	298.7
Front Access	1.67	-	1098	891.9	750	644.2	499.3	406.4	341.3	295.9
	1.70	-	1051.6	856.8	723.3	625.7	492	403.4	339.1	294.2
	1.75	-	961	791.1	673.9	586.7	466.7	387.5	329.9	289.3

\* Above ratings conform to IEEE-485 standards.

# EVEN MORE REASONS TO REPLACE YOUR CURRENT BATTERIES WITH CAT HIGH RATE BATTERIES

## Rely on Cat Dealers for Expert Installation, Inspection and Maintenance



Your UPS system cannot function without properly maintained batteries. That's why your Cat Dealer offers:

- Local service technicians who are familiar with your system
- Technicians trained according to industry standards
- A comprehensive, detailed report on the condition of your battery system



## Count on Strict Quality Control

Cat Batteries go through a series of over 250 stringent quality control checks and extensive testing to ensure you benefit from the industry's most accurate and dependable ratings. With a 10-year design life, it continues to deliver reliable power when conventional standby batteries might already have failed.

## Give Old Batteries a New Start

The Cat Battery Recycling Program makes discarding spent lead-acid batteries easy for you, relying on Cat Dealers in the United States and Canada as your trusted source for disposal. You are assured your batteries will be properly handled and virtually 100 percent recycled in a manner that protects the planet—meeting all environmental regulatory standards.

## CAT DEALERS DEFINE WORLD-CLASS PRODUCT SUPPORT

We offer you the right parts and service solutions, when and where you need them.

The Cat Dealer network of highly trained experts keeps your business up and running to maximize your investment.

## BUILT FOR IT.



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