



VISION Rechargeable Products Sealed Lead Acid Battery

www.vision-batt.com

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up. Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

General purpose application

VISION FM series are designed for general purpose applications, such as UPS, telecom, electrical utilities.

With 10 years design life, the batteries comply to the most popular international standards, such as IEC896-2, BS6290-4, Eurobat Guide.

The battery container and cover are available both in V0 class flame retardant ABS or HBOABS plastics.

Shenzhen Center Power Tech Co., Ltd. has come to obtain wide recognition from customers all over the world. This is not only due to the fact that our products are featured by reliable stability in quality, but also because we attach great importance to our communication with customers and our perfect understanding of customers' requirements as well.

Shenzhen Center Power Tech. Co., Ltd

3FM225-X 6V 225Ah

General Features

- Positive and negative plates in lead-calcium-tin alloy
- Stable Quality & High Reliability
- Sealed Construction
- Long Service Life
- Maintenance-Free Operation
- Low Pressure Venting System
- Low Self Discharge
- U. L. Component Recognition
- Six months shelf life at 20°C
- Design life 10 years



Dimensions and Weight

	SI Units	English Units
Length	320mm	12.6inch
Width	176mm	6.93inch
Height	225mm	8.86inch
Total Height	230mm	9.06inch
Approx. Weight	30.5Kg	67.3lbs

Performance Characteristics

- Nominal Voltage 6V
- Number of cell 3
- Nominal Capacity 77°F(25°C)
 - 10 hour rate (22.5A, 10.8V) 225Ah
 - 5 hour rate (40.0A, 10.5V) 200Ah
 - 1 hour rate (153A, 9.60V) 153Ah
- Internal Resistance
 - Fully Charged battery 77°F(25°C) 3.2mOhms
- Self-Discharge
 - 3% of capacity declined per month at 20°C(average)
- Operating Temperature Range
 - Discharge -20~60°C
 - Charge -10~60°C
 - Storage -20~60°C
- Max. Discharge Current 77°F(25°C) 1000A(5s)
- Short Circuit Current 3800A
- Charge Methods: Constant Voltage Charge 77°F(25°C)
 - Cycle use 7.25-7.45V
 - Maximum charging current 67.5A
 - Temperature compensation -15mV/°C
- Standby use 6.8-6.9V
 - Temperature compensation -10mV/°C

Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

Discharge Data

Constant Current Discharge Data (Amperes at 25°C)																									
End Voltage Per cell / V	5min	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1h	1.5h	2h	2.5h	3h	4h	5h	6h	7h	8h	9h	10h	12h	24h
1.60	600	480	390	314	269	238	215	198	184	172	161	153	108	84.8	71.1	62.0	49.5	42.0	35.9	31.5	28.3	25.7	23.7	20.2	10.3
1.65	546	451	367	297	255	227	207	191	179	166	156	147	104	82.6	69.7	61.1	48.8	41.5	35.5	31.2	27.9	25.4	23.4	19.7	10.1
1.70	512	430	358	294	255	230	207	190	176	161	149	139	99.8	80.4	68.7	61.0	48.4	40.8	34.9	30.7	27.5	25.1	23.1	19.4	9.90
1.75	500	410	345	282	244	219	196	178	165	155	148	141	101	80.3	68.2	60.1	47.5	40.0	34.3	30.2	27.1	24.7	22.8	19.1	9.80
1.80	486	380	299	249	219	199	181	168	157	145	135	126	90.6	72.6	61.9	54.7	45.0	39.1	33.6	29.6	26.7	24.3	22.5	18.8	9.60

Constant Power Discharge Data (Watts per cell at 25°C)																									
End Voltage Per cell / V	5min	10min	15min	20min	25min	30min	35min	40min	45min	50min	55min	1h	1.5h	2h	2.5h	3h	4h	5h	6h	7h	8h	9h	10h	12h	24h
1.60	997	832	697	581	511	465	414	377	348	320	298	279	201	162	138	123	97.1	81.7	69.5	60.8	54.3	49.3	45.2	38.5	20.7
1.65	944	791	650	539	472	428	382	348	321	299	280	265	192	156	134	119	95.4	81.1	68.9	60.2	53.7	48.6	44.5	37.8	20.4
1.70	891	749	629	521	456	413	371	340	315	293	275	259	186	150	128	113	92.7	80.5	68.3	59.6	53.1	48.0	43.9	37.3	20.1
1.75	837	705	608	502	438	396	358	330	308	286	268	254	183	147	126	112	91.4	79.0	67.1	58.6	52.2	47.3	43.3	36.8	19.8
1.80	813	670	572	481	426	389	352	324	302	278	258	242	176	143	123	110	89.4	77.0	65.6	57.4	51.3	46.5	42.7	36.3	19.5

(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the minimum values.



