

Basic Info

- Model NO.: 6FM4.5
- Usage: UPS, Electric Power, Lighting
- Discharge Rate: Low Discharge Rate
- Electrolyte: Acid
- Rechargeable: Chargeable
- Voltage: 12V
- Approx Dimension(mm): 90*70*101
- Terminal: T1
- Specification: CE, SGS
- HS Code: 850720000

- Type: Lead-Acid Batteries
- Nominal Voltage: 12V
- Shape: Square Battery
- Installation: Fixed
- Model No.: 6FM4.5
- Capacity: 4.5ah/20hr
- Total Weight: 1.48kg
- Trademark: TIGER HEAD

Product Description



VRLA-AGM BATTERY

Guangzhou Tiger head Vrla-AGM Batteries indicate Valve-Regulated Lead-Acid batteries with Absorbed Glass Mat(AGM)separators. By using the matured technology invented more

than half century.now we are able to design,build and market high quality,long life VRLA-AGM batteries from 2V to 24V,and 0.5AH to 3500AH.Tiger Head is now one of the fastest developing lead-acid battery manufactures in China

General Purpose Applications:
ALL Purpose battery Needs

UPS	EPS	Emergency Light	Signal	Security System
Electronic Equipment	DC Power Supply	Tele-Communication	Power System	Network Communication

Deep Cycle Application:

Electric Tools	Lawn Mowers	Golf Trolleys	Portable Apparatus
Electric Toys	Illumination Light	Wheel Chairs	Medical Equipments

Solar/Wind/Hydro Power System Applications:

Green Energy Systems	Measurement Stations	Pump System	Signal Station	Emergency Lighting	Railway Crossing	Traffic Lights
Street Lighting	Lawn Lamp	SOS Pillars	Camping	Boats or Buoys	Communication System	

Long life Standby Application:

UPS	EPS	Emergency Light	Railway Signal	Electronic Apparatus
Communication DC Power	Tele-Communication	Power System Communication	Network Communication	Marine

High Rate Discharging/UPS Applications:

UPS(High rate)	High Power Backup	Starting System
Power Tools	Emergency Lighting	Electric Starting

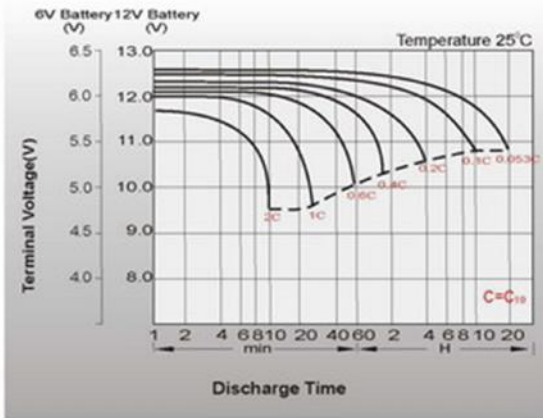
Front Terminal/Telecom Applications:

For Standard 19 Inch or 23 Inch Power Cabinets	Network Connection Equipment	UPS
Power Station Systems	Railway and Marine Systems	

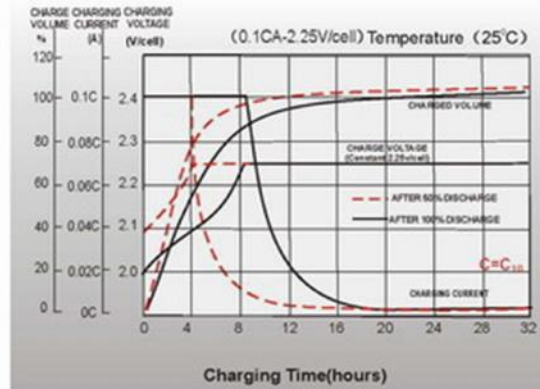
FEATURES

- .Maintenance-free, no water adding required
- .Sealed Valve-Regulated
- .Spill proof/leak proof
- .Deep discharge protection
- .Plate grids from lead-calcium alloy, free of antimony
- .No corrosion
- .Installs vertically or horizontally
- .Low gassing(unless overcharged)
- .Good cycling and stationary performance
- .Long shelf life
- .Rugged and vibration-resistant

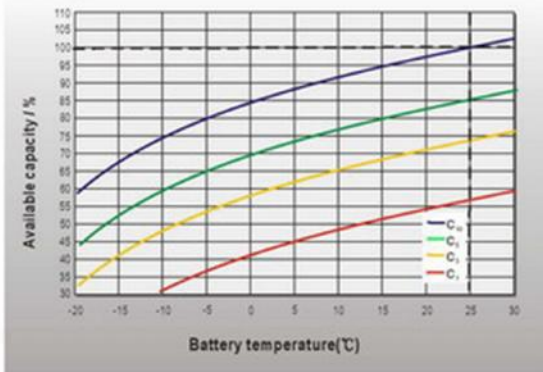
DISCHARGE CHARACTERISTICS



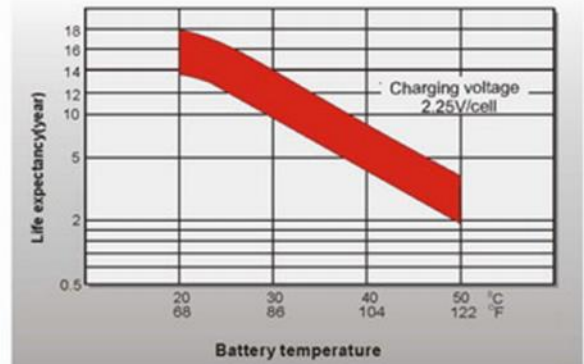
CHARGING CHARACTERISTICS



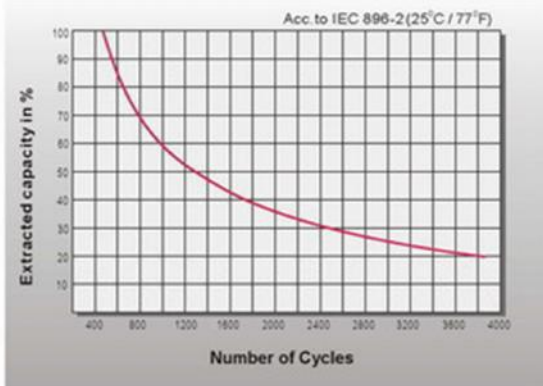
TEMPERATURE EFFECTS IN RELATION TO BATTERY CAPACITY



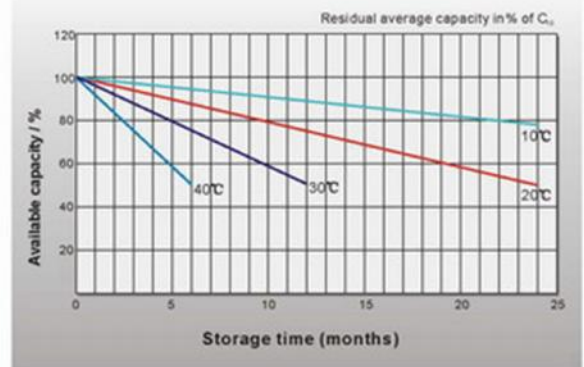
EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE



CYCLE LIFE IN RELATION TO DEPTH OF DISCHARGE



GENERAL RELATION OF CAPACITY VS. STORAGE TIME



T5 Terminal Lead
Torque: 3.9 – 5.4 N*m

T6 Terminal Brass Coated With Tin; Threaded Insert 8mm STUD
Torque: 3.9 – 5.4 N*m

T7 Terminal Brass Coated With Tin; Threaded Insert 8mm STUD
Torque: 3.9 – 5.4 N*m

T9 Terminal Lead
Torque: 11 – 14.7 N*m

T10 Terminal Lead
Torque: 3.9 – 5.4 N*m

T11 Terminal Brass Coated With Tin; Threaded Insert 8mm STUD
Torque: 11 – 14.7 N*m

T12 Terminal Brass Coated With Tin; Threaded Insert 8mm STUD
Torque: 2.0 – 3.0 N*m

T13 Terminal Brass Coated With Tin; Threaded Insert 8mm STUD
Torque: 3.9 – 5.4 N*m

T14-1 Positive Lead
Torque: 11 – 14.7 N*m

T14-2 Negative Lead
Torque: 11 – 14.7 N*m

Specifications

Model	Nominal Voltage (V)	Rated Capacity(AH)				Approx Dimension						Approx Weight		Terminal Type		
		20HR	10HR	5HR	1HR	Length		Width		Height		Total Height	Kg		Lbs	
		1.80 V/cell	1.80 V/cell	1.75 V/cell	1.67 V/cell	Mm	In.	Mm	In.	Mm	In.	Mm	In.	Kg	Lbs	
TPG12-17	12	17	15.8	13.6	9.35	181.5	7.15	77	3.03	167.5	6.59	167.5	6.59	5.8	12.8	T12
TPG12-26	12	26	24.2	20.8	14.3	166	6.54	175	6.89	125	4.92	125	4.92	8.7	19.2	T12
TPG12-31	12	30	27.0	24	17.1	195	7.68	130	5.12	164	6.46	178	7.01	10.7	23.6	T5
TPG12-38	12	38	35.3	30.4	20.9	197	7.76	165	6.5	170	6.69	170	6.69	13.5	29.8	T6
TPG12-45	12	45	40	36	24.8	257	10.12	132	5.2	200	7.87	200	7.87	16.2	35.7	T6
TPG12-50	12	50	46.5	40	27.5	229	9.02	138	5.43	205	8.07	211	8.31	16.6	36.6	T6
TPG12-60	12	60	55.8	48	33	325	12.8	167	6.57	174	6.85	174	6.85	21.5	47.4	T6
TPG12-65	12	65	60.5	52	35.8	325	12.8	167	6.57	174	6.85	174	6.85	24	52.9	T6
TPG12-70H	12	70	65.1	56	38.5	259	10.2	168	6.61	208	8.19	214	8.43	23	50.7	T6
TPG12-85	12	85	78.0	68	46.8	305	12.01	168	6.61	207	8.15	213	8.39	26.7	58.9	T6
TPG12-100	12	96	90	80	55	330	12.99	173	6.81	212	8.35	218	8.58	31	68.4	T11
TPG12-110	12	110	102.3	88	60.5	410	16.14	177	6.97	225	8.86	225	8.86	36	79.4	T11
TPG12-125	12	130	121	104	71.5	345	13.58	172	6.77	274	10.79	280	11.02	47.3	104.3	T11
TPG12-140	12	135	125.6	108	74.3	483	19.02	170	6.69	238.5	9.39	238.5	9.39	44.2	97.5	T11
TPG12-200	12	200	186	160	110	522	20.55	240	9.45	218	8.58	224	8.81	62.9	138.7	T11
TPG12-200HS	12	214	200	174	124	522	20.55	240	9.45	218	8.58	224	8.81	61.5	135.6	T11
TPG6-200	6	200	185	160	110	322	12.68	178	7.01	228	8.98	234	9.21	31.3	69.0	T11
TPG2-65	2	65	60	51.6	35.2	170	6.69	72	2.83	205	8.07	212	8.35	5.2	11.5	T6
TPG2-100	2	96	90	77.5	52.8	170	6.69	72	2.83	205	8.07	212	8.35	6.2	13.7	T6
TPG2-150	2	144	135	116	79.2	170	6.69	98	3.86	205	8.07	212	8.35	8.8	19.4	T7
TPG2-200	2	213.3	200	172	117.3	170	6.69	110	4.33	328	12.91	337	13.27	13.7	30.2	T11
TPG2-300	2	326.6	300	263.5	179.6	170	6.69	150	5.91	328	12.91	337	13.27	20	44.1	T11
TPG2-400	2	435.4	400	351	239.5	210	8.27	175	6.89	330	12.99	339	13.35	Curve Picture	56.2	T11