

FRAM

APOWER

Valve Regulated Lead-Acid Battery



**Front-Terminal
UXP-F-12V**



UXP-F 12V SERIES

Sealed Lead-Acid Battery

Main tenance free

With the care and support from our customers, the quality of XPower brand VRLA battery has been improved greatly and the technical performance arts and crafts performance have also been improved and developed.

On the base of experiences of NXP battery's manufacturing and operating, We developed the UXP-F series products adopting international new AGM technology and Front Terminal design - easy for monitoring and maintenance. also extremely low gassing, low self-discharge and long service life applications such as telecommunication, power generation, UPS, data systems, alarm signaling...



Front Terminal

1.SPECIFICATIONS

UXP Series									
UXP MODEL	Nominal Voltage (V)	Capacity(Ah) C10	Dimensions (mm)			Inter. Resis. mΩ	MAX Charge Current (0.2CA)	Short Circuit Current (5sec.)	Weight (kg)
			Length	Width	Height				
UXP-50F	12	50	390	105	227	8.32	10	1491	21.5
UXP-75F	12	75	558	105	227	5.33	15	2295	31.0
UXP-100F	12	100	558	125	227	4.88	20	2534	39.0
UXP-105F	12	103	511	110	238	4.00	20	2344	34.0
UXP-125F	12	125	558	126	270	3.88	25	3160	49.0
UXP-150F	12	150	558	126	310	3.71	30	3304	57.0
UXP-155F	12	154	559	124	283	3.50	30	3240	54.0
UXP-100M	12	100	406	173	238	4.90	20	2500	36.0
UXP-200M	12	200	498	259	238	2.80	40	4200	74.5

1. Voltage - 12V
2. Container and Cover - ABS
3. Plate - Pb-Ca grid alloy
4. Separators - Spun glass mat.
5. Terminal - Copper insert post M8
6. Safe Vent - 24 ~ 5kpa
7. Electrolyte - <1.300@25°C
8. Design life - 10 years in float application(25°C)
9. Self-Discharge rate - <0.08% per day (25°C)
10. Voltage - Float. 13.4 ~ 13.6V(25°C)
Equal. 14.1 ~ 14.4V(24hr)
11. Nut torque is 13Nm
12. Operation Temperature: - 15°C~50°C

2.Discharge Data:

Discharge in Amps 1.60V/ per cell(at 25 °C)														
Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	193	175	87.5	55.0	32.5	23.9	14.0	10.0	8.75	6.60	5.50	5.20	2.9	2.6
UXP-75F	290	262	131	82.5	48.2	35.8	21.0	15.0	13.0	10.2	8.20	7.80	4.4	3.9
UXP-100F	387	335	172	103	61.0	39.8	27.9	18.4	16.0	12.7	10.7	9.30	5.5	4.9
UXP-105F	399	345	177	106	62.8	41.0	28.7	19.2	16.6	13.1	11.2	9.40	5.5	5.0
UXP-125F	483	437	218	137	81.2	58.5	35.0	25.0	21.8	17.2	13.7	12.9	7.1	6.3
UXP-150F	580	503	258	155	92.0	60.0	42.0	27.6	24.0	19.0	15.7	13.7	8.2	7.4
UXP-155F	592	512	263	158	93.0	60.9	42.7	28.3	24.3	19.4	16.2	13.9	8.7	7.8
UXP-100M	387	335	172	103	61.0	39.8	27.9	18.5	16.0	12.7	10.7	9.30	5.5	4.9
UXP-200M	774	670	344	206	122	79.7	55.8	36.7	31.8	25.5	22.0	18.6	10.9	9.8

Discharge in Amps 1.65V/ per cell(at 25 °C)														
Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	185	161	83.5	52.5	31.5	23.0	13.5	9.7	8.60	6.50	5.40	5.00	2.8	2.5
UXP-75F	278	241	125	78.7	47.2	34.5	20.2	14.6	12.9	9.90	8.10	7.50	4.2	3.8
UXP-100F	371	315	165	101	60.5	39.7	27.7	18.3	15.9	12.6	10.5	9.20	5.3	4.8
UXP-105F	382	324	170	104	62.3	40.9	28.5	19.0	16.4	13.0	10.9	9.30	5.4	4.9
UXP-125F	463	403	208	131	78.7	57.5	33.7	24.3	21.5	16.5	13.5	12.5	7.0	6.2
UXP-150F	557	473	248	153	90.0	59.5	41.5	27.3	23.8	18.9	15.5	13.6	8.1	7.3
UXP-155F	568	482	252	154	92.5	60.7	42.4	28.1	24.2	19.3	16.0	13.8	8.5	7.7
UXP-100M	371	315	165	101	60.5	39.7	27.7	18.4	15.9	12.6	10.5	9.20	5.3	4.8
UXP-200M	742	630	330	202	121	79.5	55.4	36.6	31.7	25.3	21.5	18.4	10.6	9.6

Discharge in Amps 1.70V/ per cell(at 25 °C)														
Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	178	149	81.0	51	31.0	22.2	13.0	9.50	8.20	6.40	5.30	4.80	2.7	2.4
UXP-75F	267	223	122	76	46.5	33.3	19.5	14.2	12.4	9.60	8.00	7.20	4.1	3.6
UXP-100F	346	295	158	100	60.0	39.6	27.5	18.2	15.8	12.5	10.3	9.00	5.2	4.7
UXP-105F	356	304	163	103	61.8	40.8	28.3	18.9	16.3	12.9	10.7	9.30	5.4	4.8
UXP-125F	445	373	203	126	77.5	55.6	32.5	23.7	20.6	16.0	13.3	12.1	6.9	6.0
UXP-150F	519	443	237	150	88.0	59.0	41.0	27.0	23.6	18.7	15.3	13.5	8.0	7.2
UXP-155F	529	451	242	153	91.8	60.6	42.0	27.9	24.2	19.1	15.8	13.7	8.4	7.5
UXP-100M	346	295	158	100	60.0	39.6	27.5	18.3	15.8	12.5	10.3	9.00	5.2	4.7
UXP-200M	692	590	316	200	120	79.3	55.0	36.5	31.6	25.1	21.2	18.0	10.4	9.4

Discharge in Amps 1.75V/ per cell(at 25 °C)														
Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	156	133	75.0	49.0	30.0	21.0	12.5	9.20	8.00	6.25	5.20	4.60	2.6	2.3
UXP-75F	234	199	112	73.0	45.0	31.5	18.7	13.8	12.0	9.30	7.80	6.90	3.9	3.4
UXP-100F	312	266	150	98.0	57.5	39.5	27.2	18.1	15.7	12.4	10.1	8.90	5.1	4.6
UXP-105F	321	274	154	100	59.0	40.7	28.0	18.7	16.2	12.8	10.5	9.20	5.3	4.7
UXP-125F	390	332	187	122	75.0	52.5	31.2	23.1	20.0	15.6	12.8	11.5	6.6	5.7
UXP-150F	468	399	225	147	85.0	58.0	40.2	26.5	23.3	18.5	15.1	13.4	7.8	7.0
UXP-155F	477	407	229	149	88.0	60.4	41.6	27.7	24.0	18.9	15.5	13.6	8.2	7.3
UXP-100M	312	266	150	98.0	57.5	39.5	27.2	18.2	15.7	12.4	10.1	8.90	5.1	4.6
UXP-200M	624	532	300	195	115	79.0	54.5	36.4	31.4	24.8	20.7	17.8	10.2	9.2

Discharge in Amps 1.80V/ per cell(at 25 °C)														
Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	139	120	71.0	47	27.5	20.0	12.0	9.0	7.75	6.00	5.00	4.50	2.5	2.3
UXP-75F	208	180	106	71	41.2	30.0	18.0	13.5	11.6	9.00	7.50	6.70	3.7	3.3
UXP-100F	278	240	142	95	55.0	38.5	27.0	18.0	15.5	12.2	10.0	8.80	5.0	4.5
UXP-105F	286	247	146	98	57.0	40.0	27.8	18.5	16.0	12.6	10.3	9.10	5.2	4.6
UXP-125F	347	300	177	119	68.7	50.0	30.0	22.5	19.3	15.0	12.5	11.0	6.2	5.6
UXP-150F	417	360	213	143	82.0	56.0	39.0	25.8	22.8	18.1	15.0	13.2	7.7	6.9
UXP-155F	428	367	217	145	84.0	59.0	41.3	27.5	23.7	18.7	15.4	13.5	8.0	7.2
UXP-100M	278	240	142	95	55.0	38.5	27.0	18.0	15.5	12.2	10.0	8.80	5.0	4.5
UXP-200M	556	480	284	190	110	77.0	54.0	36.0	31.0	24.5	20.0	17.6	10.1	9.0

Discharge in Amps 1.85V/ per cell(at 25 °C)														
Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	120	106	66.5	45	25.0	18.7	11.5	8.8	7.50	5.70	4.80	4.20	2.3	2.1
UXP-75F	180	159	100	68	37.5	28.1	17.2	13.2	11.3	8.60	7.20	6.30	3.5	3.1
UXP-100F	240	212	132	90	50.0	36.5	24.0	17.0	14.5	11.7	9.50	8.40	4.7	4.2
UXP-105F	247	218	136	93	51.5	37.6	24.7	17.5	15.0	12.0	9.80	8.70	4.8	4.3
UXP-125F	300	265	166	113	62.5	46.8	29.0	22.0	18.7	14.3	12.0	10.4	5.8	5.2
UXP-150F	360	318	198	135	75.0	54.0	36.7	25.0	22.0	17.3	14.1	12.6	7.2	6.4
UXP-155F	367	324	202	137	76.5	55.8	37.8	26.0	22.5	17.9	14.5	12.9	7.8	6.7
UXP-100M	240	212	132	90	50.0	36.5	24.0	17.0	14.5	11.7	9.50	8.40	4.7	4.2
UXP-200M	480	424	264	180	100	73.0	48.0	34.0	29.0	23.5	19.0	16.8	9.5	8.5

Discharge in Amps 1.90V/ per cell(at 25 °C)														
Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	100	91	61	43	22.5	17.5	11.0	7.50	7.20	5.40	4.30	3.90	2.2	1.9
UXP-75F	150	136	92	65	33.7	26.2	16.5	11.5	10.8	8.10	6.40	5.80	3.3	2.9
UXP-100F	200	182	122	86	47.5	34.5	22.5	15.5	13.5	11.0	8.90	7.80	4.4	3.9
UXP-105F	206	187	127	89	49.0	35.5	23.2	16.0	13.9	11.3	9.20	8.00	4.5	4.0
UXP-125F	250	227	153	108	56.2	43.7	27.5	21.0	18.1	13.5	10.7	9.70	5.5	4.8
UXP-150F	300	273	183	129	70.0	51.0	34.4	23.0	20.5	16.0	13.0	11.7	6.7	5.8
UXP-155F	306	278	187	131	72.7	52.8	35.5	23.7	21.7	16.8	13.6	11.9	6.8	5.7
UXP-100M	200	182	122	86	47.5	34.5	22.5	15.5	13.5	11.0	8.90	7.80	4.4	3.9
UXP-200M	400	364	244	172	95	69.0	45.0	31.0	27.0	22.1	17.8	15.7	8.8	7.8

Discharge in Watts 1.60V/ per cell(at 25 °C)														
Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	309.5	280.0	140.0	88.00	55.25	37.17	23.1	17.1	15.8	11.8	9.92	9.35	5.12	5.10
UXP-75F	464.3	420.0	210.0	132.0	82.87	55.75	34.6	25.6	24.2	17.8	14.9	14.6	7.68	7.05
UXP-100F	556.8	452.5	264.5	172.0	99.50	67.00	47.7	33.3	29.6	23.4	19.8	16.5	11.5	9.70
UXP-105F	573.5	466.0	272.5	177.5	103.2	69.00	49.2	34.2	31.3	24.0	20.3	18.1	12.0	10.0
UXP-125F	773.8	700.0	350.0	220.0	138.0	92.90	57.7	42.7	39.9	29.6	24.8	23.0	12.8	11.8
UXP-150F	835.2	678.7	396.8	261.7	152.5	103.2	75.8	51.0	43.8	35.0	28.0	24.0	14.8	13.7
UXP-155F	852.0	692.3	404.7	263.7	153.5	104.6	77.3	51.2	45.0	35.6	29.9	25.1	18.1	15.7
UXP-100M	556.8	452.5	264.5	172.0	99.50	67.00	47.7	33.3	29.6	23.4	19.8	16.5	11.5	9.70
UXP-200M	1113.6	905.0	529.0	344.0	199.0	134.0	95.4	66.5	59.2	46.8	39.5	33.0	23.0	19.4

Discharge in Watts 1.65V/ per cell(at 25 °C)														
Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	306.0	265.7	138.2	86.60	54.50	35.42	22.7	16.9	15.5	11.5	9.58	9.10	4.90	4.90
UXP-75F	459.0	398.5	207.2	129.9	81.75	53.12	34.0	25.3	23.6	17.3	14.4	14.1	7.37	6.94
UXP-100F	549.8	450.0	263.3	172.0	94.83	66.83	47.5	33.0	29.4	23.2	19.5	16.3	11.4	9.55
UXP-105F	566.3	463.5	271.2	177.2	102.6	68.83	48.8	34.1	31.1	23.9	20.0	17.9	11.8	9.90
UXP-125F	765.1	664.2	345.3	216.3	136.3	88.50	56.7	42.1	38.4	28.8	23.9	22.4	12.3	11.6
UXP-150F	824.7	675.0	395.0	260.0	151.2	102.5	75.0	50.6	43.2	34.8	27.7	23.8	14.7	13.5
UXP-155F	841.2	688.5	402.8	263.2	153.2	103.5	76.0	50.7	44.8	35.4	29.7	24.9	17.9	15.0
UXP-100M	549.8	450.0	263.3	172.0	94.83	66.83	47.5	33.0	29.4	23.2	19.5	16.3	11.4	9.55
UXP-200M	1099.5	900.0	526.5	344.0	189.7	133.7	95.0	66.0	58.8	46.4	39.0	32.6	22.7	19.1

Discharge in Watts 1.70V/ per cell(at 25 °C)														
Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	302.5	254.2	137.7	85.80	53.75	34.58	22.4	16.7	15.2	11.3	9.50	8.75	4.83	4.70
UXP-75F	453.8	381.2	206.5	128.8	80.62	51.83	33.6	25.0	22.8	16.9	14.3	13.5	7.25	6.80
UXP-100F	542.7	447.0	262.2	171.7	99.17	66.67	47.3	32.8	29.2	23.1	19.3	16.2	11.1	9.40
UXP-105F	559.0	460.3	270.0	176.8	102.1	68.67	48.7	33.8	30.1	23.7	19.8	16.7	11.6	9.75
UXP-125F	756.3	635.3	344.2	214.5	134.4	86.45	56.0	41.7	37.9	28.1	23.8	22.0	12.1	11.4
UXP-150F	814.0	670.5	393.3	258.5	149.8	101.8	74.3	50.2	42.0	34.5	27.3	23.3	14.5	13.3
UXP-155F	830.3	683.8	401.2	262.7	151.7	102.8	75.1	50.3	44.7	35.2	29.5	24.8	16.7	14.5
UXP-100M	542.7	447.0	262.2	171.7	99.17	66.67	47.3	32.8	29.2	23.1	19.3	16.2	11.1	9.40
UXP-200M	1085.0	894.0	524.4	343.4	198.3	133.3	94.7	65.7	58.4	46.2	38.6	32.3	22.2	18.8

Discharge in Watts 1.75V/ per cell(at 25 °C)

Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	277.7	236.7	133.5	85.60	53.40	34.17	22.1	16.4	14.6	11.1	9.33	8.67	4.67	4.55
UXP-75F	416.5	355.0	200.2	127.4	78.00	51.25	33.4	24.6	22.0	16.6	14.0	13.0	7.00	6.75
UXP-100F	528.5	442.0	260.0	171.0	98.67	65.33	47.0	32.7	29.0	22.9	19.2	16.1	10.8	9.17
UXP-105F	544.3	455.2	267.8	176.2	101.6	67.33	48.3	33.7	30.0	23.5	19.7	16.6	11.3	9.50
UXP-125F	694.1	591.6	333.6	214.0	133.3	85.42	55.6	41.0	36.6	27.7	23.3	21.7	11.7	11.3
UXP-150F	792.7	663.0	390.0	256.5	148.0	100.0	73.4	49.0	42.7	34.0	27.2	23.0	14.3	13.0
UXP-155F	808.7	676.2	397.8	261.7	151.0	100.8	73.7	50.0	44.5	35.0	29.3	24.7	16.5	14.0
UXP-100M	528.5	442.0	260.0	171.0	98.67	65.33	47.0	32.7	29.0	22.9	19.2	16.1	10.8	9.17
UXP-200M	1057	884.0	520.0	342.0	197.3	130.6	94.0	65.3	58.0	45.7	38.4	32.2	21.5	18.4

Discharge in Watts 1.80V/ per cell(at 25 °C)

Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	250.2	216.0	127.8	84.50	49.50	33.67	21.6	16.3	14.3	10.8	9.00	8.15	4.50	4.47
UXP-75F	375.2	324.0	191.5	126.3	74.25	50.62	32.4	24.4	21.5	16.3	13.5	12.2	6.75	6.70
UXP-100F	500.3	432.0	255.5	169.7	97.50	64.67	46.7	32.5	28.8	22.7	19.0	15.9	10.7	9.08
UXP-105F	515.3	445.0	263.2	174.7	100.5	66.67	48.0	33.5	29.7	23.3	19.5	16.3	11.0	9.33
UXP-125F	625.3	540.0	319.3	213.6	123.7	84.33	54.0	40.6	35.8	27.1	22.5	20.4	11.3	11.2
UXP-150F	750.5	648.0	383.2	254.5	146.2	98.83	72.8	48.5	41.3	33.7	27.0	22.8	14.2	12.7
UXP-155F	765.5	661.0	390.8	259.7	149.2	99.80	73.0	49.1	44.2	34.6	29.0	24.3	16.3	13.8
UXP-100M	500.3	432.0	255.5	169.7	97.50	64.67	46.7	32.5	28.8	22.7	19.0	15.9	10.7	9.08
UXP-200M	1000	864.0	511.0	339.4	195.0	129.3	92.9	65.0	57.7	45.4	38.0	31.8	21.4	18.2

Discharge in Watts 1.85V/ per cell(at 25 °C)

Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	222.0	196.0	123.0	83.3	46.25	31.67	21.3	16.1	14.3	10.6	8.83	7.83	4.33	4.28
UXP-75F	333.0	294.0	184.5	124.9	69.37	47.50	31.9	24.1	21.4	15.9	13.3	11.8	6.50	6.43
UXP-100F	444.0	392.2	246.0	164.2	92.50	62.33	44.8	31.7	28.2	22.0	18.7	15.6	10.3	8.75
UXP-105F	457.0	404.0	253.3	169.0	95.33	64.17	46.2	32.7	29.0	22.7	19.2	16.0	10.7	9.00
UXP-125F	555.0	490.1	307.5	208.0	115.6	79.17	53.1	40.2	35.4	26.5	22.9	19.6	10.8	10.7
UXP-150F	666.0	588.3	396.0	246.2	138.8	94.17	68.8	46.3	40.7	32.5	26.3	22.5	13.8	12.0
UXP-155F	679.0	600.0	380.0	253.5	143.0	97.00	70.7	48.5	43.0	33.8	28.5	23.8	15.8	13.3
UXP-100M	444.0	392.2	246.0	164.2	92.50	62.33	44.8	31.7	28.2	22.0	18.7	15.6	10.3	8.75
UXP-200M	888.0	784.4	492.0	328.4	185.0	124.6	89.7	63.4	56.4	44.0	37.4	31.2	20.7	17.5

Discharge in Watts 1.90V/ per cell(at 25 °C)

Battery Model	Discharge Time													
	1m	5m	15m	30m	1h	2h	3h	5h	6h	8h	10h	12h	20h	24h
UXP-50F	190.0	172.8	115.8	81.70	42.75	29.17	20.8	15.9	14.1	10.3	8.17	7.53	4.17	4.12
UXP-75F	285.0	259.3	173.7	122.5	64.12	43.67	31.3	23.9	21.1	15.4	12.3	11.3	6.25	6.18
UXP-100F	331.2	321.3	226.7	153.2	82.50	58.33	41.7	30.0	27.0	20.8	17.8	14.9	9.67	8.08
UXP-105F	341.0	331.0	233.5	157.8	85.00	60.00	42.8	30.8	27.8	21.5	18.3	15.4	9.95	8.25
UXP-125F	475.0	432.1	289.5	204.1	106.8	72.83	52.1	39.8	35.0	25.6	20.4	18.8	10.4	10.3
UXP-150F	496.7	482.0	340.0	229.7	123.8	86.83	60.8	43.7	39.0	30.0	24.7	22.0	13.5	11.5
UXP-155F	506.7	491.7	346.8	234.3	126.2	89.17	63.7	45.8	41.3	31.8	27.3	22.8	14.8	12.3
UXP-100M	331.2	321.3	226.7	153.2	82.50	58.33	41.7	30.0	27.0	20.8	17.8	14.9	9.67	8.08
UXP-200M	662.4	642.6	453.4	306.4	165.0	116.5	83.4	60.0	54.0	41.7	35.7	29.9	19.4	16.2



Telecom



Emergency lighting



Utility



UPS



Security



Photovoltaic



Valve regulated



Proof against deep discharge



Grid plate



Maintenance free

3. Performance Curves

Fig. 0.1C₁₀~0.5C₁₀ A Discharge curves

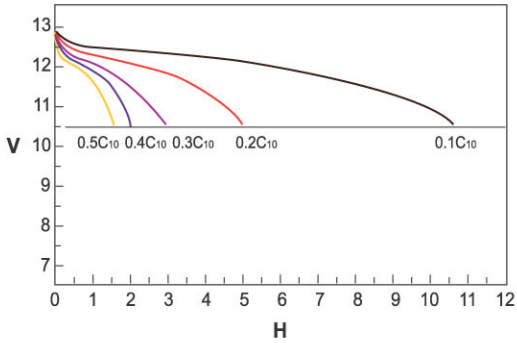


Fig. Ambient Temperature(25°C)

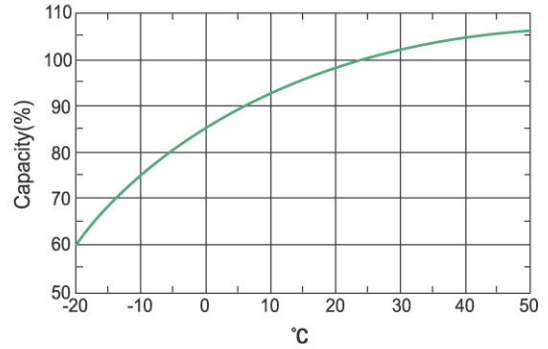


Fig. 0.6C₁₀~1C₁₀ A Discharge curves

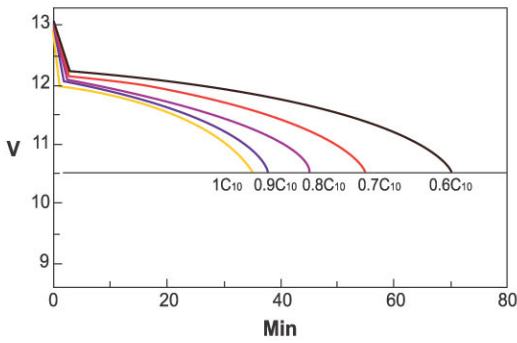
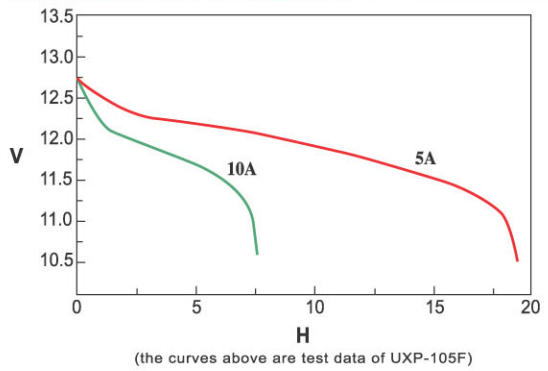
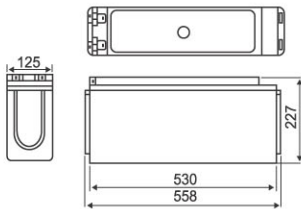


Fig. Discharge curves at 5A \ 10A(-15°C/10.50v)

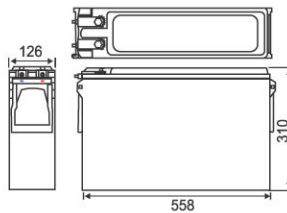


4. DIMENSIONS (mm)

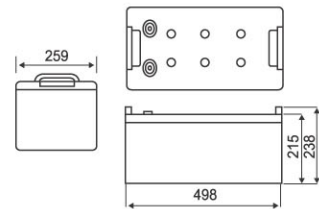
UXP-100F



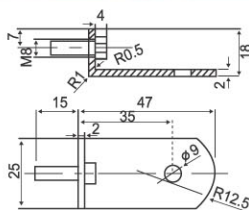
UXP-150F



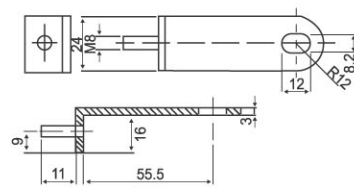
UXP-200M



UXP-100F Terminals



UXP-150F Terminals



UXP-100M, UXP-200M Terminals

