



TUBULAR POSITIVE MONOBLOC DEEP CYCLE BATTERIES



RECHARGEABLE BATTERY



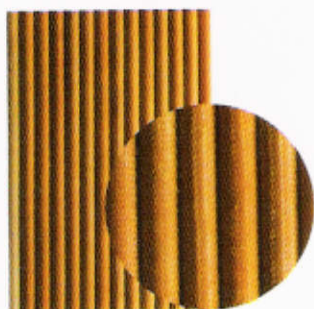
ISO9001
KS A 9001

UNIKOR BATTERY CO., LTD.

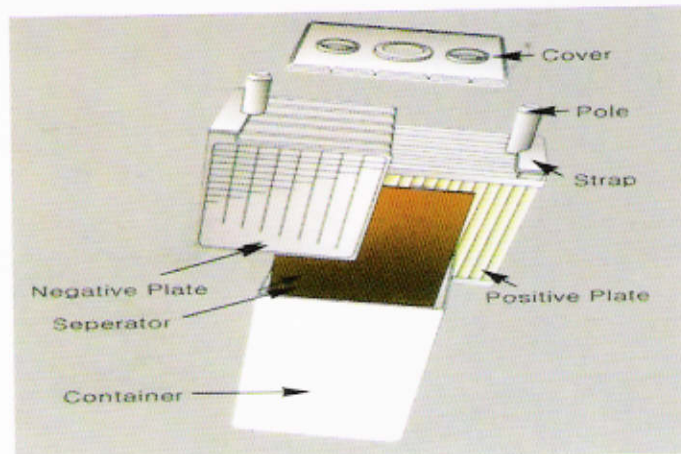
APPLICATION

■ UNIKOR'S advanced technology of tubular plates and new construction method ensures you longer service life of your **Electric Traction** and **Solar Power System**.

CONSTRUCTION FEATURES



Tubular Positive Plate

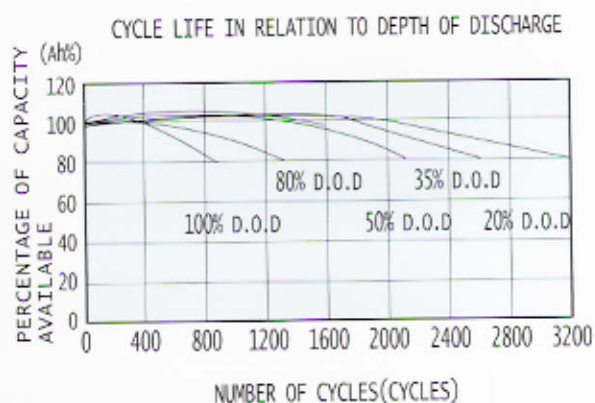


■ **BATTERY PLATE** : Positive plates are of the tubular type in which the active material is packed into parallel micro-porous tubes containing a central **Lead-antimony** alloy spine. This construction gives material efficiency and long life. Negative plates are **Lead-calcium** grid pasted type.

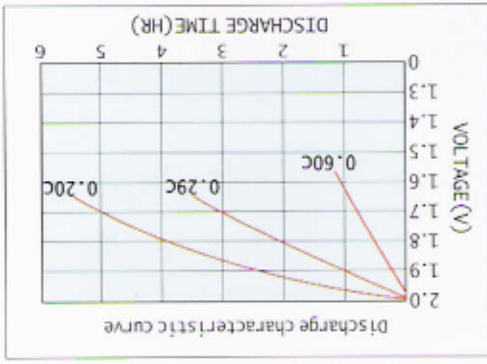
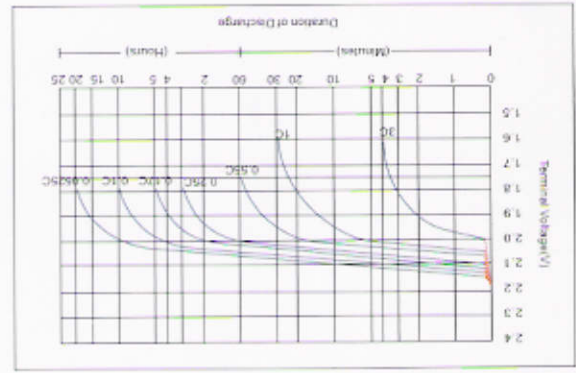
■ **CONTAINER** : Containers are made of high heat resistance PP plastic for light weight, extra durability and visibility of electrolyte level.

■ **VENT PLUG** : Vent plug contains a porous PP filter to prevent acid spray and to protect the battery from external spark and flames.

LIFE CYCLE SERVICE



Depth of DCHG.(%)	No. of cycle (Cycle)	Life span (year)
100	800	2.7
90	1050	3.5
80	1250	4.2
70	1450	4.8
60	1700	5.7
50	2050	6.8
35	2600	8.7
20	3200	10.7



VT-ES, EG SERIES (20HR CAPACITY) VT-FB SERIES (5HR CAPACITY)

DISCHARGE CHARACTERISTIC CURVE AT 25°C (77°F)

Nominal Voltage (V)	Voltage (V)	Capacity (Ah)		Overall Dimension (mm)			Weight Liquid With Weight (Kg)
		5HR / 1.70V / Cell	20HR / 1.75V / Cell	Length	Width (W)	Height (H)	
12	VT1225EB	25	29	-	128	201	221
	VT1235EB	35	41	260	128	200	220
	VT1250EB	50	59	259	170	200	221
	VT1265EB	65	76	304	170	201	304
	VT1290EB	90	106	404	172	205	230
	VT121000EB	100	117	404	172	205	230
	VT121200EB	120	141	503	180	212	259
	VT121300EB	130	153	503	180	212	259
	VT121450EB	145	170	505	221	212	258
	VT121600EB	160	188	505	221	212	258
	VT6195EG	160	195	259	182	247	289
	VT6225EG	185	225	245	188	250	285
VT6240EG	195	240	264	181	276	276	
VT6260EG	215	260	264	181	295	295	
VT8165EG	135	165	259	182	246	288	
VT8190EG	155	190	264	181	276	276	
VT8210EG	175	210	259	182	295	336	
VT12105EG(A)	85	105	336	171	219	252	
VT12105EG(B)	85	105	324	171	-	248	
VT12115EG	95	115	324	171	-	248	

BASIC SPECIFICATION (FOR ELECTRIC TRACTION)

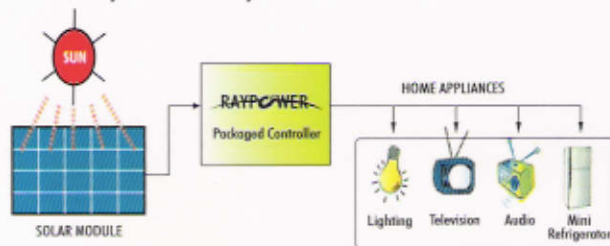
BASIC SPECIFICATION (FOR SOLAR POWER)

Type Of Battery	Nominal Voltage (V)	Capacity (Ah)		Overall Dimension (mm)				Weight With Liquid (kg)
		20HR. 1.75V/cell	5HR 1.70V/cell	Length (L)	Width (W)	Height (H)	Total Height (TH)	
VT1226ES	12	26	22	185	117	172	212	10
VT1236ES		36	31	198	128	205	234	12
VT1245ES		45	38	259	169	198	230	14
VT1270ES		70	60	306	170	205	235	23
VT1290ES		90	76	356	170	217	252	27
VT12120ES		120	102	356	170	217	276	36
VT12150ES		150	127	513	269	201	223	45
VT12200ES		200	170	514	265	220	245	58

STRUCTURE OF POWER SOLAR SYSTEM



Structure of Ray Power Solar System



Flowchart

