

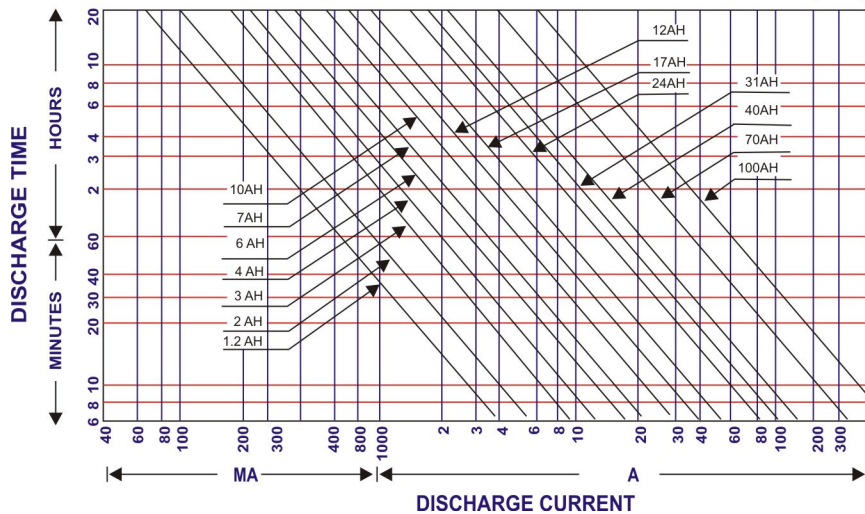
# KRAFT POWER SYSTEMS

## TECHNICAL SPECIFICATION OF 6V -12V SERIES SMF BATTERIES

### 6/12 Volt Series.

Model No.	Nominal Voltage (v)	Rated Capacity @20hr (Ah)	Outline Dimensions mm				AH Capacity@20°(68°F)			
			Length	Width	Case Height	Total Height	10 Hr 1.75 vpc	8 Hr 1.75 vpc	5 Hr 1.75 vpc	3 Hr 1.75 vpc
AE 4.5-6	06	4.50	70	48	102	108	3.85	3.73	3.40	3.15
AE 3.3-12	12	3.30	134	67	61	67	3.00	2.96	3.75	2.55
AE 4.5-12	12	4.50	90	70	101	107	4.20	4.05	3.83	3.38
AE 7.2-12	12	7.20	151	65	95	99	6.50	6.31	5.75	5.25
AE 9.0-12	12	9.00	151	65	95	99	7.60	7.20	6.80	6.40
AE 12-12	12	12.0	151	99	96	101	10.8	10.5	9.75	9.30
AE 18-12	12	18.0	181	76	167	167	16.7	16.2	15.3	13.8
AE 26-12	12	26.0	177	168	126	126	24.0	23.3	22.8	20.7
AE 45-12	12	45.0	196	165	171	171	41.8	39.6	37.5	33.5
AE 65-12	12	65.0	350	167	179	179	62.0	59.5	55.0	48.75
AE 80-12	12	80.0	259	169	208	211	76.0	72.0	68.0	60.0
AE 100-12	12	100.0	330	170	215	220	90.0	86.4	79.2	73.1
AE 150-12	12	150.0	480	170	240	240	135	130	119	110
AE 200-12	12	200.0	524	240	216	244	180	173	158	146

AT 25°C (77°F)



### Applications:

#### Power Back-up Applications:

- UPS power supply
- Workstation UPS
- Emergency lighting equipment
- Precision instrument back up power
- Fire alarm & Electronic Security Devices

### Product Features:

- For both cyclic and standby use
- Uniform plate formation for consistent capacity
- Reduced internal resistance for superior performance
- Provides 1300 cycles at 20% DOD
- Non-spillable, useable in any position
- Maintenance free and High Shelf Life

- Communication & Telephony equipment
- Computer, Microcomputers & Servers
- Robotics, Automation & control eqpt.
- Factory Automation Systems
- Telemetry equipment
- Switch room backup in power stations

- Low pressure venting system
- Heavy duty grids
- Long service life
- ABS container and cover
- Wide operating temperature range most suited to Indian conditions

**Cyclic use Application:**

- Golf Carts, Electric Vehicles
- Wheel Chairs, e- Bikes etc.
- Portable measuring instruments
- Cameras and Photography equipments
- Electronic Toys and Devices

**Service Life:**

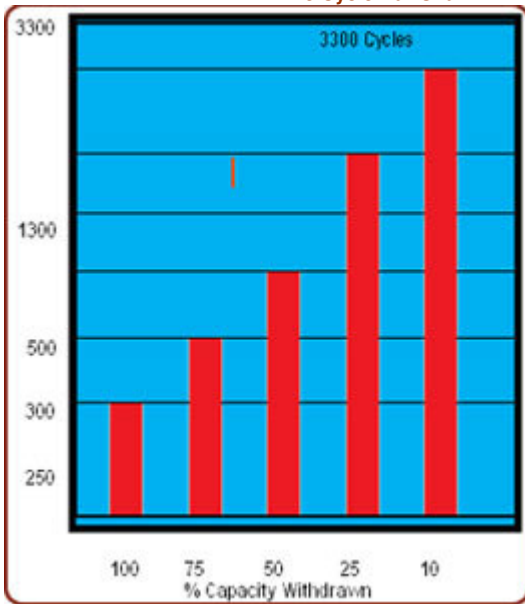
- 4 to 6 years expected life under normal float charge condition at 25° C. (77° F)
- Extended shelf life (up to 14 months at 20° C)

**Solar Cell and Wind Power Generation Applications:**

- Solar Lamps
- Street Lighting
- Traffic Signal Equipment
- Water pumping system
- Small town power system
- Wi-Fi Systems

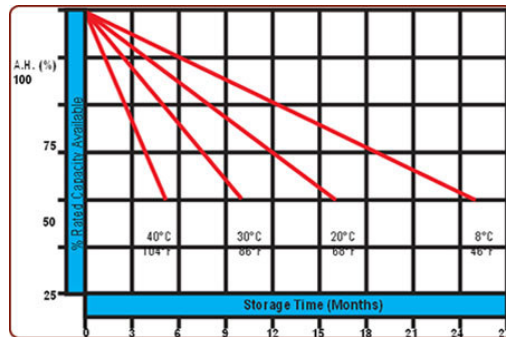
**CHARACTERISTICS CURVE OF NICE 12V VRLA(AGM) BATTERY**

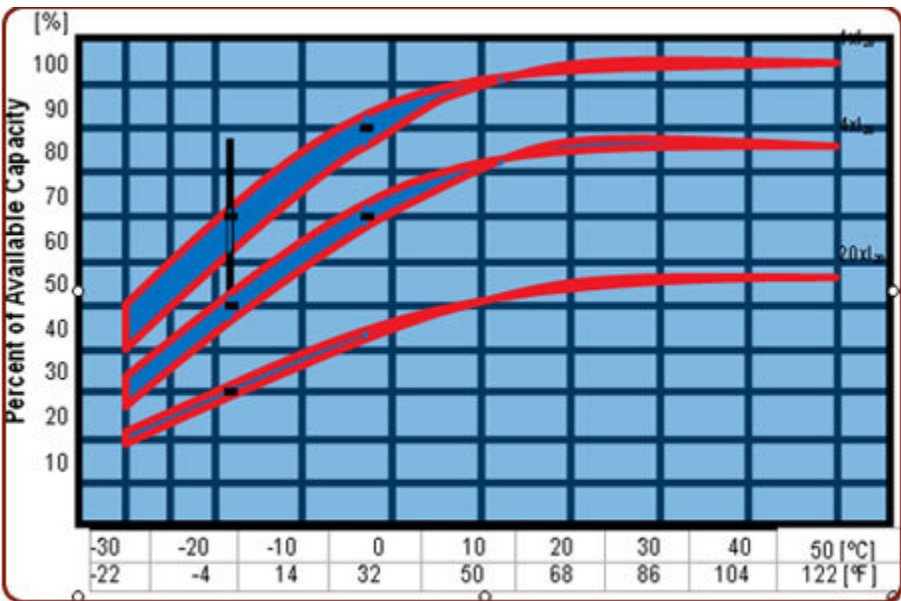
**Life Cycle Bar Char**



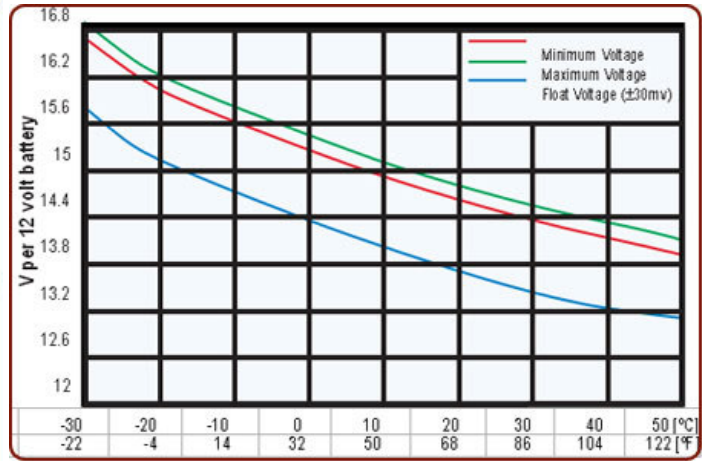
**No.ofCyclesVs.DOD at+25°C(77°F) discharge with C 20 Discharge Rate**

**Self Discharge Vs Temp. Curve**





Capacity Vs Operating Temp



Constant Charging Voltage Vs Temp