

## 4. STORAGE SYSTEM

- GENERAL STORAGE CONDITIONS

THE BATTERY SHOULD BE STORED UNDER THE FOLLOWING CONDITIONS:

- ✓ LOW HUMIDITY
- ✓ 5°F TO 104°F (15°C TO 40°C)
- ✓ CLEAN AND OUT OF DIRECT SUNLIGHT

- CAPACITY AFTER LONG TERM STORAGE

AFTER LONG TERM STORAGE, ALL BATTERIES DELIVER LESS THAN RATED CAPACITY ON FIRST CYCLE. IN CYCLIC APPLICATION FULL CAPACITY WILL BE OBTAINED THROUGH SEVERAL CHARGE/DISCHARGING CYCLES.

IN FLOATING APPLICATION, FULL CAPACITY WILL BE ACHIEVED IN 24 – 48 HOURS, WHEN CHARGED AT 2.3V/CELL.

- REFRESH CHARGE

WHEN BATTERIES ARE IN EXTENDED STORAGE, IT IS RECOMMENDED THAT THEY RECEIVE A REFRESH CHARGE AT RECOMMENDED INTERVALS:

STORAGE AMBIENT	RECHARGE INTERVAL
BELOW 68°F (20°C)	18 MONTHS
68°F TO 86°F (20°C TO 30°C)	12 MONTHS
86°F TO 104°F (30°C TO 40°C)	6 MONTHS

- GENERAL CONSIDERATION CHARGER

AS THE BATTERY LIFE IS GREATLY AFFECTED BY THE METHOD OF CHARGING ADOPTED, YOU MUST CONSIDER THE BATTERY USAGE AS WELL AS THE CHARGING CHARACTERISTICS, AND ALSO YOU MUST BE VERY ATTENTIVE IN SELECTING AN APPROPRIATE CHARGER.

THE FOLLOWING CONSTANT VOLTAGE CHARGER CIRCUITS PROVIDE CONSTANT VOLTAGE.