

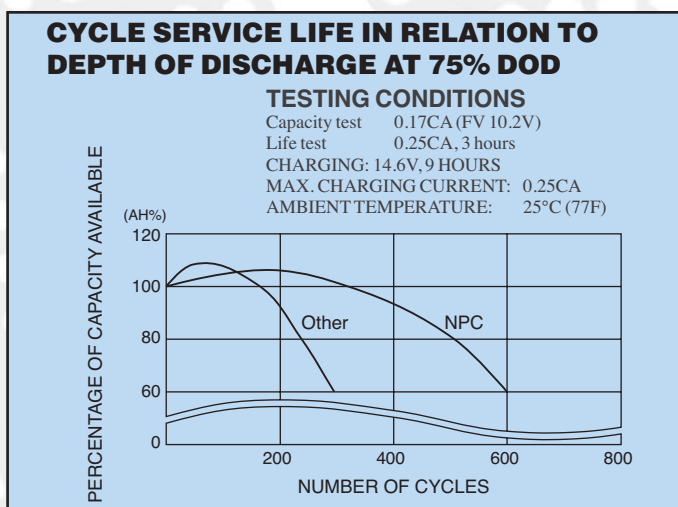
NPC SERIES - NPC65-12I

The low maintenance and valve regulated constructions combine with heavy-duty plates and unique separator systems to make NPC service twice as long as conventional counterparts.

FEATURES

1. Double cycle life

NPC operates 500 charge/discharge cycles or twice as many cycles as conventional cycle use batteries at 75%D.O.D. (depth of discharge).



2. Valve-regulated and maintenance-free

Battery electrolyte retained solidly in the separator and the innovative gas recombinant system allows minimum gas emittance freeing the user from maintenance.

3. Durability for deep discharge use

Yuasa's state-of-the-art plate barrier prevention and the unique separator systems help endure deep discharge use thus considerably prolonging battery's service life.

4. Minimal self-discharge

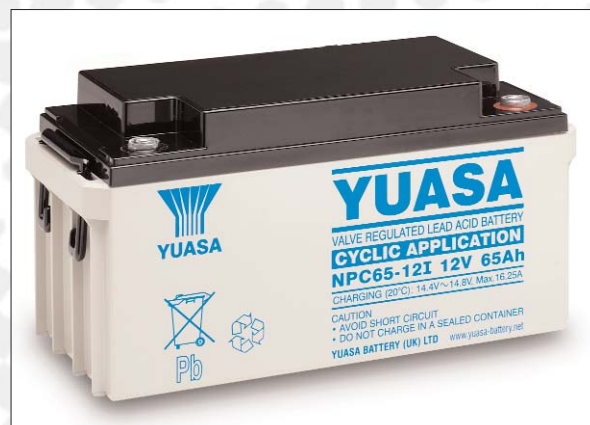
Cyclic use batteries tend to be left discharged after usage causing plate corrosion leading to shortened life. Self discharge rate of NPC is as small as only 0.1% a day at 20°C and thus extends the storage period allowed.

Operating temperature range

Charge:	- 15 ~ 50°C	(5 ~ 122°F)
Discharge:	- 15 ~ 50°C	(5 ~ 122°F)
Storage:	- 20 ~ 50°C	(- 4 ~ 122°F)

Specifications

NPC Model	Volts	Rated Capacity (20 hr rate) (Ah)	Approx. Dimensions			Weight	Layout	Terminals
			Length	Width	Overall height incl. terminals			
NPC65 - 12I	12	65	350mm	166mm	174mm	23kg	2	K



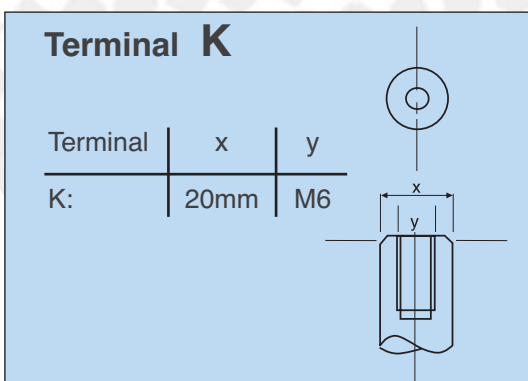
Recommended charging method

Current: Max. 0.25CA Voltage: 2.4 ~ 2.5VPC

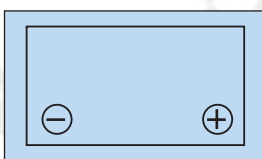
Applications

- Wheelchairs • Golf trolley • Lawn mowers • Lights
- Toy cars • Sprayers • Photovoltaics • Robots
- Communications • Electric tools • Pumps
- Measuring instruments • AGV (Automatic guided vehicle)
- Magnetic lifts

Terminals



Layout



WARNING!

The battery type NPC65-12I must never be installed permanently suspended by their handles; they are not designed for this purpose.

CAUTION

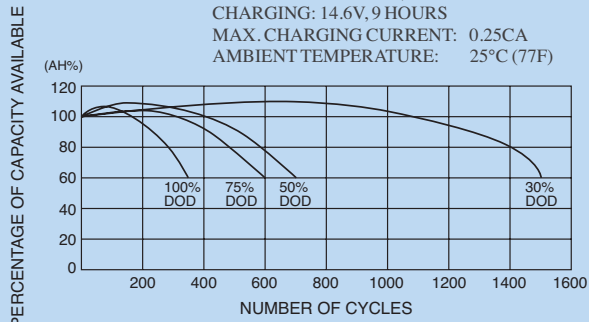
- Avoid short circuit.
- Do not charge in a sealed container.
- Service life and operational characteristics will be affected by temperature.
- AC Ripple reduces service life.

Performance

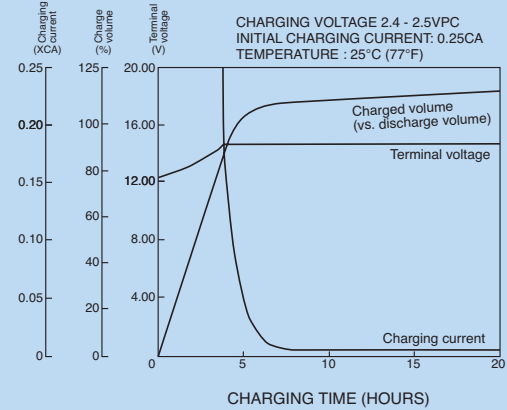
CYCLE SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE

TESTING CONDITIONS

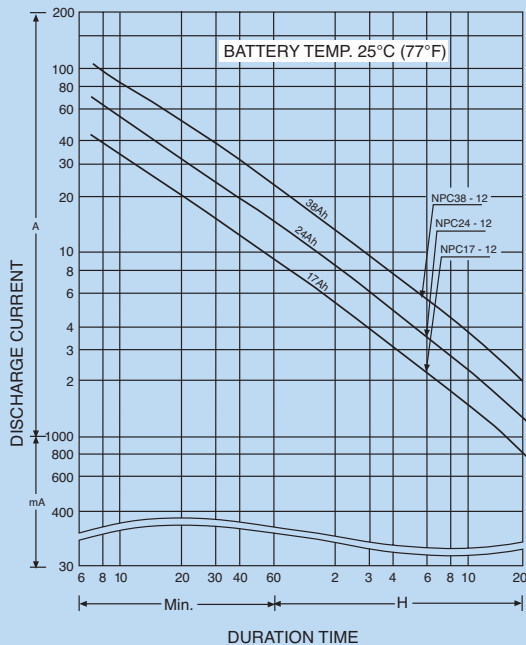
Capacity test 0.17CA (FV 10.2V)
Life test 0.25CA, 3 hours
CHARGING: 14.6V, 9 HOURS
MAX. CHARGING CURRENT: 0.25CA
AMBIENT TEMPERATURE: 25°C (77°F)



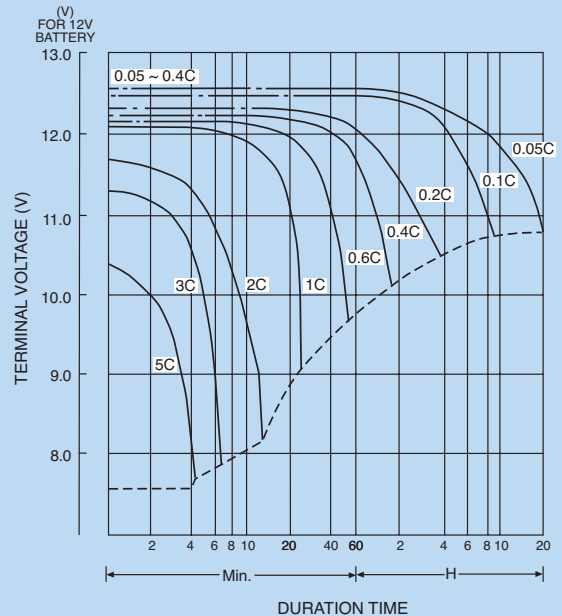
CONSTANT CURRENT, CONSTANT VOLTAGE CHARGING CHARACTERISTICS



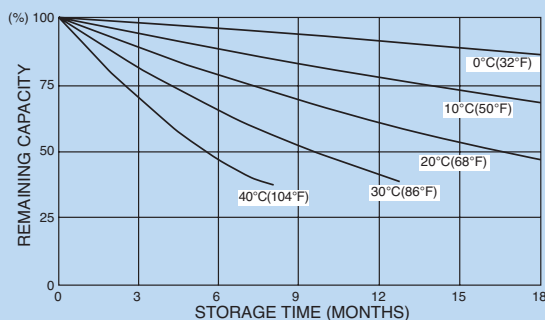
DISCHARGE CURRENT VS. DURATION TIME



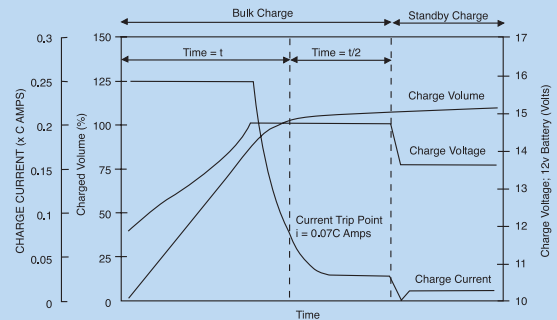
DISCHARGE CHARACTERISTICS AT VARIOUS CURRENTS (25°C (77°F))



SELF DISCHARGE CHARACTERISTICS



CYCLIC RECHARGE REGIME



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