

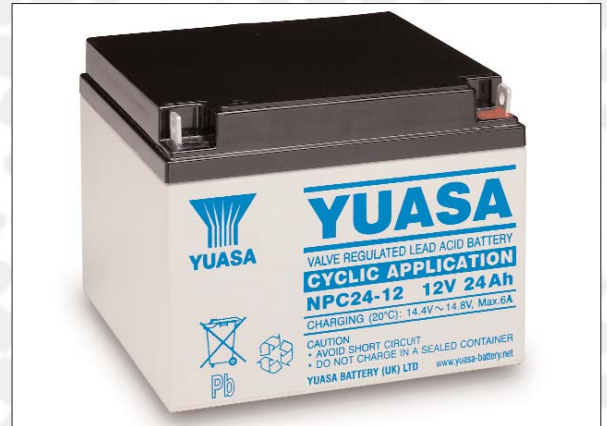
## NPC SERIES - NPC24-12I

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

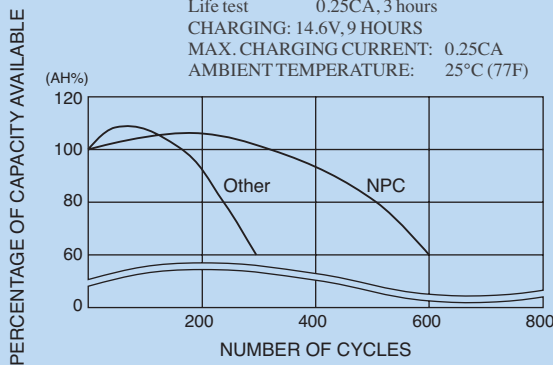
NPC operates 500 charge/discharge cycles or twice as many cycles as conventional cycle use batteries at 75%D.O.D. (depth of discharge).



#### CYCLE SERVICE LIFE IN RELATION TO DEPTH OF DISCHARGE AT 75% DOD

##### 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)



#### 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			
NPC24 - 12I	12	24	175mm	166mm	125mm	8.8kg	2	J

### Recommended charging method

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

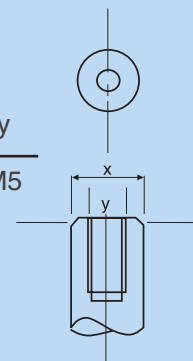
### Applications

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

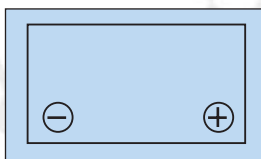
### Terminals

#### Terminal J

Terminal	x	y
J:	17mm	M5



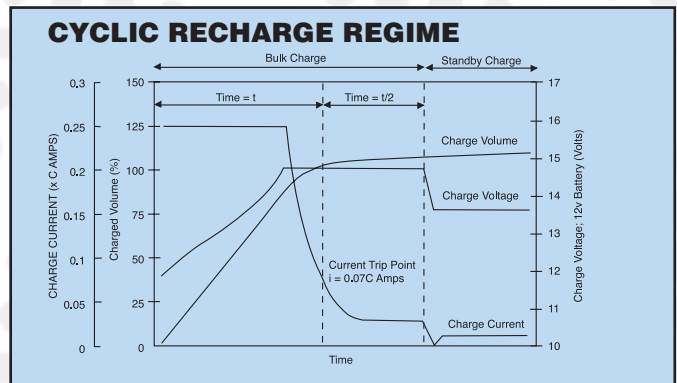
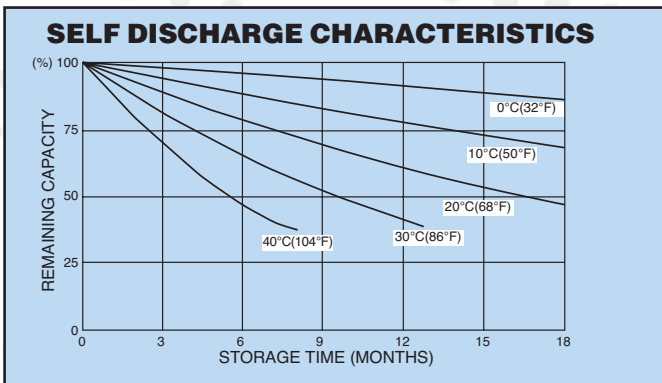
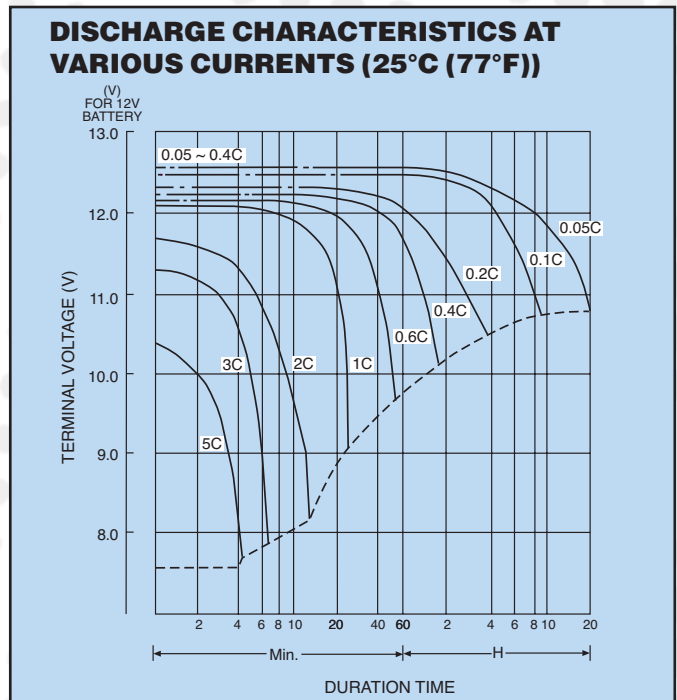
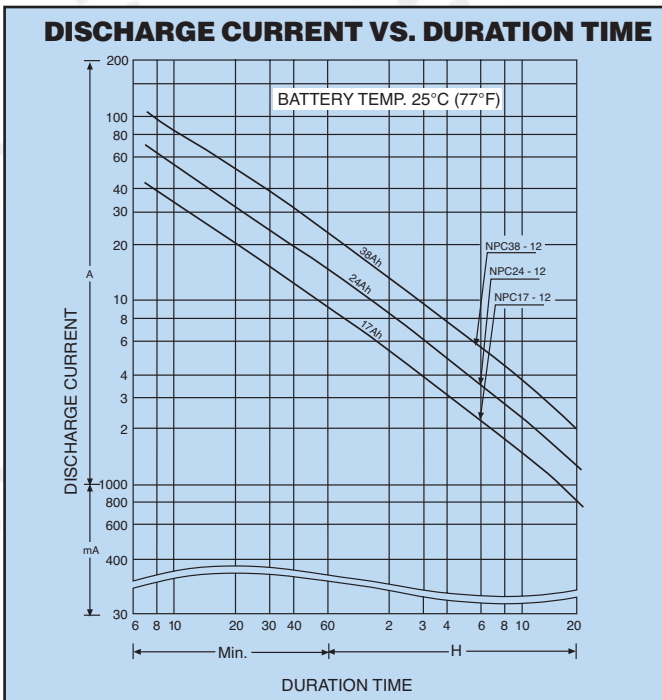
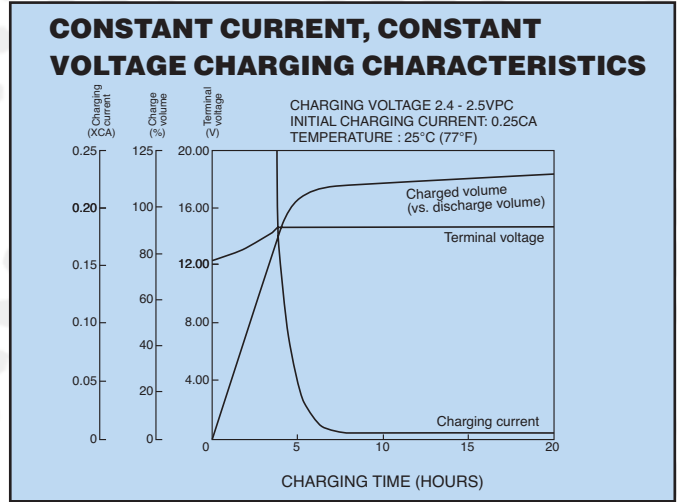
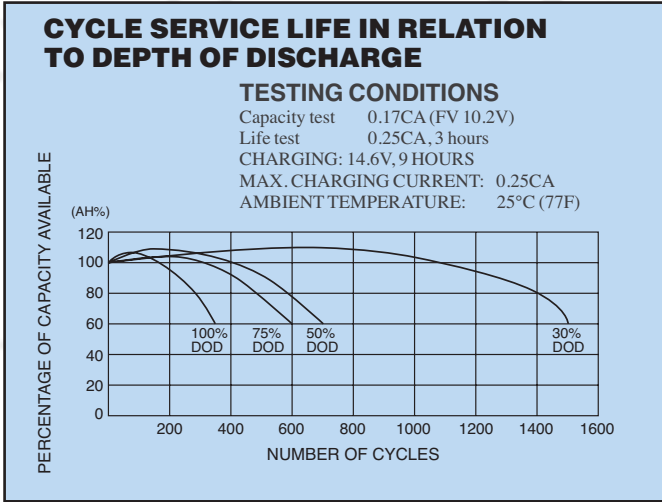
### Layout



### 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



### Yuasa Battery Sales (UK) Ltd

Unit 22 Rassau Industrial Estate  
 Ebbw Vale, Gwent, NP23 5SD  
 Tel: 08708 500312 Fax: 08708 500317  
 E-mail: enquiries@yuasa-sales.co.uk

Registered number 1548820

Cat. No. NPC24-12I February 07

E&O.E.

Distributed by