



## YUASA VALVE-REGULATED LEAD-ACID BATTERIES FROM 24AH TO 200AH

Maintenance free rechargeable batteries.  
In 6V or 12V types from 24Ah to 200Ah.  
Superb recovery from deep discharge.  
No fear of electrolyte leakage regardless of orientation.  
Multipurpose float or cyclic use.  
Superior energy density.  
Lead calcium grids for extended life.  
Control of gas generation using oxygen recombination technology.



NPL 24-12FR

### APPLICATIONS INCLUDE:

Security and fire, control systems, standby power systems, telecommunications, emergency lighting, alarm systems, UPS control, and medical equipment

The NPL series of valve-regulated lead-acid batteries come in a wide range of sizes to suit a variety of general applications. Their unique sealed construction ensures no electrolyte leakage from either the case or the terminals. Over 1,000 discharge / charge cycles can be expected (average depth of discharge dependent) with the anticipated life expectancy being between 7 and 12 years in float mode. The extremely low self-discharge rate allows the batteries to be stored for up to one year at normal ambient temperatures without any permanent loss of capacity. The operating temperature range for the charge, discharge, and storage are as follows:  $-15^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  (charge),  $-20^{\circ}\text{C}$  to  $+60^{\circ}\text{C}$  (discharge), and  $-20^{\circ}\text{C}$  to  $+50^{\circ}\text{C}$  (storage at full charge).

IFR = Internal thread (female) + flame retardant casing

FR = Flame retardant casing

I = Internal thread (female)

Reference	Nominal Voltage	Nominal Capacity (20 hour rate)	Length (mm)	Width (mm)	Overall Height (mm)	Weight (kg)	Terminals
NPL 130-6IFR	6V	130Ah	350	166	174	23.0	M6 screw (female)
NPL 200-6	6V	200Ah	407	172	240	39.0	M10 lug
NPL 200-6FR	6V	200Ah	407	172	240	39.0	M10 lug
NPL 24-12I	12V	24Ah	166	175	125	9.0	M5 screw (female)
NPL 24-12IFR	12V	24Ah	166	175	125	9.0	M5 screw (female)
NPL 38-12I	12V	38Ah	197	165	170	14.2	M5 screw (female)
NPL 38-12IFR	12V	38Ah	197	165	170	14.2	M5 screw (female)
NPL 65-12I	12V	65Ah	350	166	174	23.0	M6 screw (female)
NPL 65-12IFR	12V	65Ah	350	166	174	23.0	M6 screw (female)
NPL 78-12IFR	12V	78Ah	380	166	174	39.0	M8 screw (female)
NPL 100-12	12V	100Ah	407	172	240	39.0	M10 lug
NPL 100-12FR	12V	100Ah	407	172	240	39.0	M10 lug

Eastern Transformers and Equipment Ltd

Tel: 01284 388 033 Fax: 01284 386 969 info@ete.co.uk / sales@ete.co.uk www.ete.co.uk