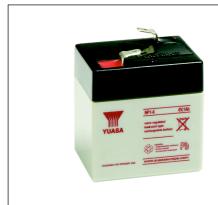
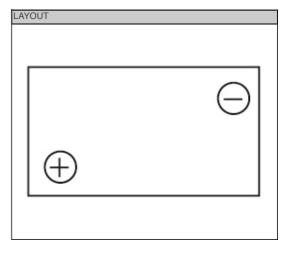
# **Data Sheet**

# NP-Series - Valve Regulated Lead Acid Battery NP1-6

SPECIFICATIONS		
Nominal voltage	6	V
20-hr rate Capacity to 1.75VPC at 20°C	1	Ah
10-hr rate Capacity to 1.75VPC at 20°C	0.93	Ah
DIMENSIONS		
Length	51 (±1)	mm
Width	42.5 (±1)	mm
Height	- ( )	mm
(height over terminals)	54.5 (±2)	mm
Mass (typical)	0.25	kg
TERMINAL TYPE		
FASTON (Quickfit / release)	4.75	mm
OPERATING TEMPERATURE RANGE	<del>-  </del>	
Storage	-20°C to +60°C	
Charge	-15°C to +50°C	
Discharge	-20°C to +60°C	
STORAGE		
Capacity loss per month at 20°C (approx)	3	%
CASE MATERIAL		
Standard Option	ABS (UL.94:HB)	
Flame retardant option (FR)	ABS (UL94:V0)	
CHARGE VOLTAGE	,	•
Float charge voltage at 20°C	6.825 (±1%)	V
Float Charge Voltage at 20 C	2.275 (±1%)	V/cell
Float Charge voltage temperature correction factor (for variations from the standard 20°C)	-3	mV/cell/°C
Cyclic (or Boost) charge at 20°C	7.26 (±3%) 2.42 (±3%)	V V/cell
Cyclic Charge voltage temperature correction factor (for variations from the standard 20°C)	-4	mV/cell/°C
CHARGE CURRENT		
Float charge current limit	No limit	Α
Cyclic (or Boost) charge current limit	0.25	Α
MAXIMUM DISCHARGE CURRENT		
1 second	30	Α
1 minute	10	Α
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE		
(according to EN IEC 60896-21)		
Internal resistance	N/A	mΩ
Short-Circuit current	N/A	Α
IMPEDANCE		
Measured at 1 kHz	75	mΩ
PERFORMANCE & CHARACTERISTICS		
Refer to the technical manual	NP NP	
DESIGN LIFE		
EUROBAT Classification: Standard Commercial	3 to 5	years
	up to 5	years
Yuasa design life @ 20°C	นุม เบ อ	years





### **3RD PARTY CERTIFICATIONS**

ISO 9001 - Quality Management Systems
ISO 14001 - Environmental Management Systems
EN 18001 - OHSAS Management Systems
UNDERWRITERS LABORATORIES Inc.



#### **STANDARDS**

IEC61056







ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE Issue No.: V.2 / Issue Date: March 2011



YUASA BATTEHY SALES UK LTD. Unit 13, Hunts Rise South Marston Industrial Estate Swindon SN3 4TG

## Installation

Can be installed and operated in any orientation except permanently inverted

# Handles

Batteries must not be suspended by their handles (where fitted)

#### Vent valves

Each cell is fitted with a low pressure release valve to allow gasses to escape and then reseal.

#### Gas Release

VRLA Batteries release hydrogen gas which can form explosive mixtures in air. Do not place inside a sealed container

#### Recycling

YUASA's VRLA batteries must be recycled at the end of life in accordance with local and national laws and regulations