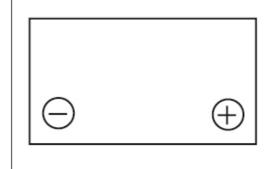
Data Sheet

NP-Series - Valve Regulated Lead Acid Battery NP18-12B

SPECIFICATIONS			
Nominal voltage	12	V	
20-hr rate Capacity to 1.75VPC at 20°C	18	Ah	
10-hr rate Capacity to 1.75VPC at 20°C	16	Ah	
DIMENSIONS			
Length	180 (±1)	mm	
Width	76 (±1)	mm	
Height	167 (±2)	mm	
(height over terminals)	N/A	mm	
Mass (typical)	6.2	kg	
TERMINAL TYPE	- 1		
Bolt terminal	M5 Lug		
Torque		Nm	
OPERATING TEMPERATURE RANGE			
Storage	-20°C to	-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	ABS (UL.94:HB)	
Flame retardant option (FR)	ABS (UL94:V0)		
CHARGE VOLTAGE			
Float charge voltage at 20°C	13.65 (±1%) 2.275 (±1%)	V 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	14.5 (±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	4.5	А	
MAXIMUM DISCHARGE CURRENT			
1 second	540	А	
1 minute	75	Α	
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE			
(according to EN IEC 60896-21)			
Internal resistance	N/A	mΩ	
Short-Circuit current	N/A	А	
IMPEDANCE			
Measured at 1 kHz	18	mΩ	
PERFORMANCE & CHARACTERISTICS			
Refer to the technical manual	NP		
DESIGN LIFE	111		
220.0			
ELIDORAT Classification: Standard Commercial	3 to 5		
EUROBAT Classification: Standard Commercial	3 to 5	years	
EUROBAT Classification: Standard Commercial Yuasa design life @ 20°C SAFETY	3 to 5 up to 5	years	

NP18-12B 12V, 17.2Ah valve regulated lead acid battery **Austral members of the state of the

LAYOUT



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

Handles Batteries m

SPECIFICATIONS

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

Can be installed and operated in any orientation except permanently inverted

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