## **NPW-Series - Valve Regulated Lead Acid Battery** NPW45-12 (FR)

SPECIFICATIONS			
Nominal voltage	12	V	
20-hr rate Capacity to 1.75VPC at 20°C	8.5	Ah	
10-hr rate Capacity to 1.75VPC at 20°C	7.42	Ah	
DIMENSIONS	<u>'</u>		
Length	151 (±1)	mm	
Width	65 (±1)	mm	
Height	94 (±1)	mm	
(height over terminals)	97.5 (±2)	mm	
Mass (typical)	2.7	kg	
TERMINAL TYPE			
FASTON (Quickfit / release)	6.35	mm	
OPERATING TEMPERATURE RANGE			
Storage	-15°C to +40°C		
Charge		-0°C to +40°C	
Discharge	-15°C	c to +50°C	
STORAGE	1		
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	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	А	
Cyclic (or Boost) charge current limit	2.125	А	
MAXIMUM DISCHARGE CURRENT			
1 second	105	А	
1 minute	42	А	
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	24	mû	
PERFORMANCE & CHARACTERISTICS			
Refer to the technical manual	NPW		
DESIGN LIFE			
EUROBAT Classification: Standard Commercial	3 to 5	years	
Yuasa design life @ 20°C	up to 5	years	
SAFETY			
Installation			

Can be installed and operated in any orientation except permanently inverted

#### Handles

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

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

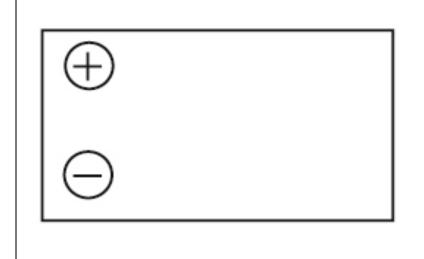
#### Recycling

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

# **Data Sheet**



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

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YUASA BATTERY IBERIA S.A. C/Toronga, 21 Local 1 28043 Madrid