

# NPC-Series - Valve Regulated Lead Acid Battery

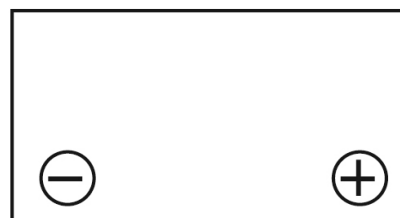
## NPC17-12

SPECIFICATIONS		
Nominal voltage	12	V
20-hr rate Capacity to 10.5V at 20°C	17	Ah
10-hr rate Capacity to 10.8V at 20°C	14.96	Ah
DIMENSIONS		
Length	181 (±0.5)	mm
Width	75 (±0.5)	mm
Height	167 (±0.5)	mm
(height over terminals)	N/A	mm
Mass (typical)	6.2	kg
TERMINAL TYPE		
Bolt terminal	5	mm
Torque	2.5	Nm
OPERATING TEMPERATURE RANGE		
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)	N/A	
CHARGE VOLTAGE		
Float charge voltage at 20°C	13.65 (±1%)	V
	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	14.5 (±3%)	V
	2.42 (±3%)	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	A
Cyclic (or Boost) charge current limit	4.25	A
MAXIMUM DISCHARGE CURRENT		
1 second	500	A
1 minute	170	A
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE (according to EN IEC 60896-21)		
Internal resistance	N/A	mΩ
Short-Circuit current	N/A	A
CYCLIC LIFE DATA		
100% DOD down to 80% capacity	300	cycles
75% DOD down to 80% capacity	500	cycles
50% DOD down to 80% capacity	600	cycles
25% DOD down to 80% capacity	1400	cycles
IMPEDANCE		
Measured at 1 kHz	14.4	mΩ
PERFORMANCE & CHARACTERISTICS		
Refer to the technical manual	NPC	
DESIGN LIFE		
EUROBAT Classification: Standard Commercial	Cycle 3 to 5	years
Life data: e.g. 600 cycles at 50% DOD		
SAFETY		
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		

## Data Sheet



### LAYOUT



### 3RD PARTY CERTIFICATIONS

ISO 9001 - Quality Management Systems  
ISO 14001 - Environmental Management Systems  
EN 18001 - OHSAS Management Systems  
ISO 9001 - Quality Management Systems



UNDERWRITERS LABORATORIES Inc.

### STANDARDS

IEC61056



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

[www.yuasaeurope.com](http://www.yuasaeurope.com)

NPC