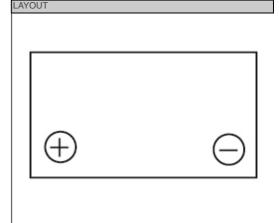
NP-Series - Valve Regulated Lead Acid Battery NP2.3-12

Data Sheet

SPECIFICATIONS		
Nominal voltage	12	V
20-hr rate Capacity to 1.75VPC at 20°C	2.3	Ah
10-hr rate Capacity to 1.75VPC at 20°C	2.1	Ah
DIMENSIONS		
Length	178 (±1)	mm
Width	34 (±1)	mm
Height		mm
(height over terminals)	64 (±2)	mm
Mass (typical)	0.95	kg
TERMINAL TYPE		
FASTON (Quickfit / release)	4.75	mm
OPERATING TEMPERATURE RANGE		
Storage	-20°C to +60°C	
Charge	-15°C to +50°C	
Discharge	-20°C to	o +60°C
STORAGE		
Capacity loss per month at 20°C (approx)	3	%
CASE MATERIAL	ADO (11)	04:UD)
Standard Option	ABS (UL.94:HB)	
Flame retardant option (FR)	ABS (UL94:V0)	
CHARGE VOLTAGE	13.65 /+10/\	V
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	0.575	Α
MAXIMUM DISCHARGE CURRENT		
1 second	69	Α
1 minute	23	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	90	mΩ
PERFORMANCE & CHARACTERISTICS	NP	
PERFORMANCE & CHARACTERISTICS Refer to the technical manual	NP	
PERFORMANCE & CHARACTERISTICS Refer to the technical manual DESIGN LIFE	NP 3 to 5	years
PERFORMANCE & CHARACTERISTICS Refer to the technical manual DESIGN LIFE EUROBAT Classification: Standard Commercial Yuasa design life @ 20°C		years years
PERFORMANCE & CHARACTERISTICS Refer to the technical manual DESIGN LIFE EUROBAT Classification: Standard Commercial	3 to 5	





3RD PARTY CERTIFICATIONS

ISO 9001 - Quality Management Systems ISO 14001 - Environmental Management Systems EN 18001 - OHSAS Management Systems UNDERWRITERS LABORATORIES Inc. VdS (Germany) - VdS No: G101139



STANDARDS

IEC61056









Vent valves

Handles

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

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

SPECIFICATIONS

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

