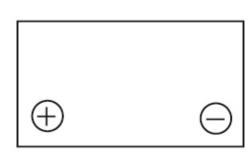
# **Data Sheet**

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

SPECIFICATIONS		
	12	V
Nominal voltage 20-hr rate Capacity to 1.75VPC at 20°C	2.3	V Ah
	2.3	
10-hr rate Capacity to 1.75VPC at 20°C DIMENSIONS	2.1	Ah
	179 (+1)	
Length Width	178 (±1) 34 (±1)	mm mm
Height	34 (±1)	mm
(height over terminals)	64 (±2)	mm
Mass (typical)	0.95	kg
TERMINAL TYPE	0.00	
FASTON (Quickfit / release)	4.75	mm
OPERATING TEMPERATURE RANGE	4.75	11111
Storage	-20°C to +60°C	
Charge		
Discharge	-15°C to +50°C -20°C to +60°C	
STORAGE	-20 0 10	J +00 C
Capacity loss per month at 20°C (approx)	3	%
CASE MATERIAL	<u> </u>	/0
Standard Option	ΔR9 /111	94·HB)
Flame retardant option (FR)	ABS (UL.94:HB) ABS (UL94:V0)	
CHARGE VOLTAGE	AD3 (0	L07.V0)
	13.65 (±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	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	0.575	A
MAXIMUM DISCHARGE CURRENT		
1 second	69	A
1 minute	23	A
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE		
(according to EN IEC 60896-21)		
Internal resistance	N/A	mΩ
Short-Circuit current	N/A	A
IMPEDANCE		
Measured at 1 kHz	90	mΩ
PERFORMANCE & CHARACTERISTICS		
Refer to the technical manual	NP	
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 perm	anently inverted	
Handles		
Batteries must not be suspended by their handles (where fitte	ed)	
Vent valves	,	
Each cell is fitted with a low pressure release valve to allow g	asses to escape and ther	ı reseal.
Gas Release		
VRLA Batteries release hydrogen gas which can form explosi container	ive mixtures in air. Do not	place inside a sealed
Recycling		
YUASA's VRLA batteries must be recycled at the end of life in regulations	n accordance with local ar	nd national laws and
<u> </u>		





#### ARTY CERTIFICATIONS

001 - Quality Management Systems 001 - Environmental Management Systems 001 - OHSAS Management Systems RWRITERS LABORATORIES Inc. Germany) - VdS No: G101139



### DARDS

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