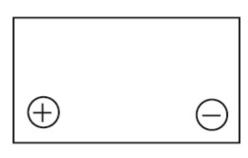
Data Sheet

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

SPECIFICATIONS		
Nominal voltage	12	V
20-hr rate Capacity to 1.75VPC at 20°C	2.3	Ah
0-hr rate Capacity to 1.75VPC at 20°C	2.1	Ah
DIMENSIONS		
Length	178 (±1)	mm
Vidth	34 (±1)	mm
leight	04 (+0)	mm
height over terminals)	64 (±2)	mm
Aass (typical)	0.95	kg
ERMINAL TYPE	4.75	
ASTON (Quickfit / release)	4.75	mm
PERATING TEMPERATURE RANGE		
torage	-20°C to +60°C	
Charge	-15°C to +50°C	
Discharge	-20°C to	o +60°C
STORAGE		e /
Capacity loss per month at 20°C (approx)	3	%
CASE MATERIAL		
Standard Option	ABS (UL.94:HB)	
Flame retardant option (FR)	ABS (U	L94:V0)
CHARGE VOLTAGE	1.0.00	
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	2.42 (±3 %)	V/Cell
for variations from the standard 20°C)	-4	mV/cell/°C
CHARGE CURRENT		
loat charge current limit	No limit	А
cyclic (or Boost) charge current limit	0.575	A
	0.070	
second	69	А
minute	23	A
HORT-CIRCUIT CURRENT & INTERNAL RESISTANCE	20	
according to EN IEC 60896-21)		
nternal resistance	N/A	
		mΩ
hort-Circuit current //PEDANCE	N/A	A
leasured at 1 kHz	90	m0
	90	mΩ
PERFORMANCE & CHARACTERISTICS	10	
Refer to the technical manual	NP	
DESIGN LIFE		
UROBAT Classification: Standard Commercial	3 to 5	years
uasa design life @ 20°C	up to 5	years
AFETY		
Istallation		
an be installed and operated in any orientation except permai	nently inverted	
andles	,	
atteries must not be suspended by their handles (where fitted)	
ent valves	/	
ach cell is fitted with a low pressure release valve to allow gas	sees to persons and that	reseal
	sses to escape and ther	1103001.
as Release		
RLA Batteries release hydrogen gas which can form explosive ontainer	e mixtures in air. Do not	place inside a se
ecycling		
		ad national laws a
UASA's VRLA batteries must be recycled at the end of life in a	accordance with local ar	iu national laws a





CERTIFICATIONS

uality Management Systems Environmental Management Systems OHSAS Management Systems FERS LABORATORIES Inc. ny) - VdS No: G101139



s



SUBJECT TO CHANGE WITHOUT NOTICE 2 / Issue Date: March 2011



NP

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

www.yuasaeurope.com