NP-Series - Valve Regulated Lead Acid Battery NP7-6

SPECIFICATIONS				
Nominal voltage	6	V		
20-hr rate Capacity to 1.75VPC at 20°C	7	Ah		
10-hr rate Capacity to 1.75VPC at 20°C	6.5	Ah		
DIMENSIONS	-			
Length	151 (±1)	mm		
Width	34 (±1)	mm		
Height		mm		
(height over terminals)	97.5 (±2)	mm		
Mass (typical)	1.32	kg		
TERMINAL TYPE				
FASTON (Quickfit / release)	4.75	mm		
OPERATING TEMPERATURE RANGE				
Storage	-20°C to	-20°C to +60°C		
Charge		-15°C to +50°C		
Discharge	-20°C to	-20°C to +60°C		
STORAGE				
Capacity loss per month at 20°C (approx)	3	%		
CASE MATERIAL				
Standard Option	ABS (UL	ABS (UL.94:HB)		
Flame retardant option (FR)	ABS (UL	ABS (UL94:V0)		
CHARGE VOLTAGE	- (-	/		
	6.825 (±1%)	V		
Float charge voltage at 20°C	2.275 (±1%)	V/cell		
Float Charge voltage temperature correction factor	-3	mV/cell/°C		
(for variations from the standard 20°C)				
Cyclic (or Boost) charge at 20°C	7.26 (±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	A		
Cyclic (or Boost) charge current limit	1.75	А		
MAXIMUM DISCHARGE CURRENT				
1 second	210	A		
1 minute	48	А		
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE				
(according to EN IEC 60896-21)				
Internal resistance	N/A	mΩ		
	N/A	A		
Short-Circuit current				
Short-Circuit current IMPEDANCE Measured at 1 kHz	28	mΩ		
IMPEDANCE Measured at 1 kHz	28	mΩ		
IMPEDANCE Measured at 1 kHz PERFORMANCE & CHARACTERISTICS		mΩ		
IMPEDANCE Measured at 1 kHz PERFORMANCE & CHARACTERISTICS Refer to the technical manual	28	mΩ		
IMPEDANCE Measured at 1 kHz PERFORMANCE & CHARACTERISTICS Refer to the technical manual DESIGN LIFE	NP			
IMPEDANCE Measured at 1 kHz PERFORMANCE & CHARACTERISTICS Refer to the technical manual		mΩ years		



Nominal voltage	6	V		
20-hr rate Capacity to 1.75VPC at 20°C	7	Ah		C C 3
10-hr rate Capacity to 1.75VPC at 20°C	6.5	Ah		
DIMENSIONS				NDZ 6 6V,7Ah
Length	151 (±1)	mm		NP7-6 6V,7A
Width	34 (±1)	mm		valve regulated
Height		mm		lead acid battery
(height over terminals)	97.5 (±2)	mm	YUASA	
Mass (typical)	1.32	kg		ANGO BEOFTING TERMINAS OD NOT CAMAGE - DO NOT CAMAGE - DO NOT CAMAGE
TERMINAL TYPE		3		www.yuasaeurope.com
FASTON (Quickfit / release)	4.75	mm	NON-SPILLABLE	www.year
OPERATING TEMPERATURE RANGE	4.75		NON-SPILLABLE DESIGNED FOR STANDBY USE	
	00%C t			
Storage	-20°C to +60°C -15°C to +50°C			
Charge				
Discharge	-20°C to	o +60°C	LAYOUT	
STORAGE	0	0/		
Capacity loss per month at 20°C (approx)	3	%		
CASE MATERIAL		A (115)		
Standard Option	ABS (UI	,		
Flame retardant option (FR)	ABS (U	L94:V0)		
CHARGE VOLTAGE				
Float charge voltage at 20°C	6.825 (±1%) 2.275 (±1%)	V V/cell		
Float Charge voltage temperature correction factor	-3	mV/cell/°C		
(for variations from the standard 20°C) Cyclic (or Boost) charge at 20°C	7.26 (±3%)	V	\square	\Box
	2.42 (±3%)	V/cell		\bigcirc
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	1.75	А		
MAXIMUM DISCHARGE CURRENT				
1 second	210	A		
1 minute	48	А		
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE				
(according to EN IEC 60896-21)				
Internal resistance	N/A	mΩ	3RD PARTY CERTIFICATIO	vs
Short-Circuit current	N/A	А	ISO 9001 - Quality Managem	ent Systems
IMPEDANCE	I		ISO 14001 - Environmental M	
Measured at 1 kHz	28	mΩ	EN 18001 - OHSAS Manager	
PERFORMANCE & CHARACTERISTICS			UNDERWRITERS LABORAT	/
Refer to the technical manual	NP			ORIES Inc.
DESIGN LIFE	INI		STANDARDS	
	0 L E			
EUROBAT Classification: Standard Commercial	3 to 5	years	IEC61056	
Yuasa design life @ 20°C	up to 5	years		
SAFETY				
Installation				
Can be installed and operated in any orientation except permane	ntly inverted			
Handles				003 003 ortificate No. Certificate No. 774 10006 2.5525
Batteries must not be suspended by their handles (where fitted)				
Vent valves			ALL DATA IS SUBJECT TO C	HANGE WITHOUT NOTICE
Each cell is fitted with a low pressure release valve to allow gass	es to escape and ther	reseal.	Issue No.: V.2 / Issue Date: M	arch 2011
Gas Release				
VRLA Batteries release hydrogen gas which can form explosive r container	mixtures in air. Do not	place inside a sealed		YUASA BATTERY SALES UK LTD.
				Unit 13, Hunts Rise
Recycling YUASA's VRLA batteries must be recycled at the end of life in ac regulations	cordance with local a	nd national laws and	YUASA	South Marston Industrial Estate Swindon
			IVAVA	SNI3 ATG

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