NP-Series - Valve Regulated Lead Acid Battery

RBC11HY

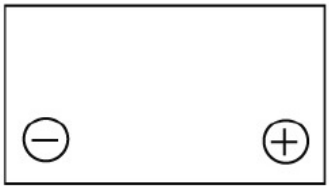
Data Sheet

SPECIFICATIONS		
Nominal voltage	12	V
20-hr rate Capacity to 1.75VPC at 20°C	17	Ah
10-hr rate Capacity to 1.75VPC at 20°C	15.7	Ah
DIMENSIONS		
Length	181 (±1)	mm
Width	76 (±1)	mm
Height	167 (±2)	mm
(height over terminals)	N/A	mm
Mass (typical)	6.1	kg
TERMINAL TYPE		
Female threaded terminal	M5	
Torque	2.45	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)	ABS (UL94:V0)	
CHARGE VOLTAGE		
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	A
Cyclic (or Boost) charge current limit	4.25	A
MAXIMUM DISCHARGE CURRENT		
1 second	510	A
1 minute	48	A
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE		
(according to EN IEC 60896-21)		
Internal resistance	34.47	mΩ
Short-Circuit current	421	A
IMPEDANCE		
Measured at 1 kHz	18	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 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



LAYOUT



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: G147022

STANDARDS
IEC61056

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