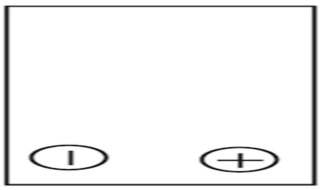
Data sheet

Yuvolt - Valve Regulated Lead Acid Battery

Y2.9-12

Specifications		
Nominal voltage	12	V
20-hr rate capacity to 1.75VPC at 20°C	2.90	Ah
10-hr rate capacity to 1.75VPC at 20°C	2.70	Ah
Dimensions		
Length	79 (±1)	mm
Width	56 (±1)	mm
Height	99 (±1)	mm
(Height over terminals)	105(±1)	mm
Mass (typical)	1.1	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 +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%)	V
	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	0.73	A
Maximum discharge current		
1 minute	29	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	55	mΩ
Performance & characteristics		
Refer to the technical manual	Yuvolt	
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 orientations up to 90° from the upright position		
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



Third party certifications
ISO 9001 - Quality Management Systems
ISO 14001 - Environmental Management Systems
EN 18001 - OHSAS Management Systems
Underwriters Laboratories Inc.

Standards
IEC61056

ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE
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