# Yucel-Series - Valve Regulated Lead Acid Battery Y5-12L

SPECIFICATIONS				
Nominal voltage	12	V		
20-hr rate Capacity to 1.75VPC at 20°C	5	Ah		
10-hr rate Capacity to 1.75VPC at 20°C	4.63	Ah		
DIMENSIONS				
Length	90 (±1)	mm		
Width	70 (±1)	mm		
Height	101 (±1)	mm		
(height over terminals)	107 (±2)	mm		
Mass (typical)	1.68	kg		
TERMINAL TYPE				
FASTON (Quickfit / release)	6.35	mm		
OPERATING TEMPERATURE RANGE				
Storage	-20°C to +60°C			
Charge	-15°C to +50°C			
ischarge -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	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	А		
Cyclic (or Boost) charge current limit	1.25	А		
MAXIMUM DISCHARGE CURRENT		•		
1 minute	50	A		
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE				
(according to EN IEC 60896-21)				
Internal resistance	N/A	mû		
Short-Circuit current	N/A	A		
IMPEDANCE				
Measured at 1 kHz	45	mû		
PERFORMANCE & CHARACTERISTICS				
Refer to the technical manual	YUCEL			
DESIGN LIFE				
	3 to 5	years		
EUROBAT Classification: Standard Commercial				
EUROBAT Classification: Standard Commercial Yuasa design life @ 20°C	up to 5	years		
		years		

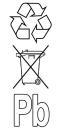


**Data Sheet** 

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## **3RD PARTY CERTIFICATIONS**

ISO 9001 - Quality Management Systems ISO 14001 - Environmental Management Systems EN 18001 - OHSAS Management Systems UNDERWRITERS LABORATORIES Inc.



# STANDARDS

IEC61056







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



Certificate No. FM 10626 Certificate No. EMS 55229

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