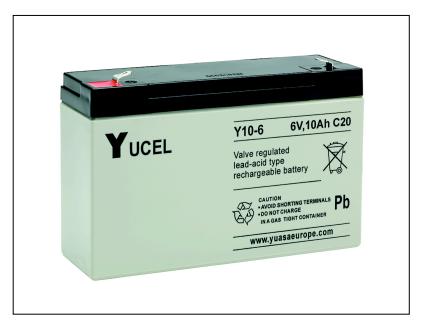
# Yucel-Series - Valve Regulated Lead Acid Battery Y10-6

SPECIFICATIONS		
Nominal voltage	6	V
20-hr rate Capacity to 1.75VPC at 20°C	10	Ah
10-hr rate Capacity to 1.75VPC at 20°C	9.26	Ah
DIMENSIONS		
Length	151 (±1)	mm
Width	51 (±1)	mm
Height	94 (±1)	mm
(height over terminals)	100 (±2)	mm
Mass (typical)	1.7	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	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	2.5	A
MAXIMUM DISCHARGE CURRENT		
1 minute	75	A
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE		
(according to EN IEC 60896-21)		
Internal resistance	N/A	m۵
Short-Circuit current	N/A	A
IMPEDANCE		
Measured at 1 kHz	18	m≬
PERFORMANCE & CHARACTERISTICS		
Refer to the technical manual	YUCEL	
DESIGN LIFE		
EUROBAT Classification: Standard Commercial	3 to 5	years
Yuasa design life @ 20°C	up to 5	years
SAFETY		
Installation		



**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



ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE Issue No.: V.1 / Issue Date: July 2010



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