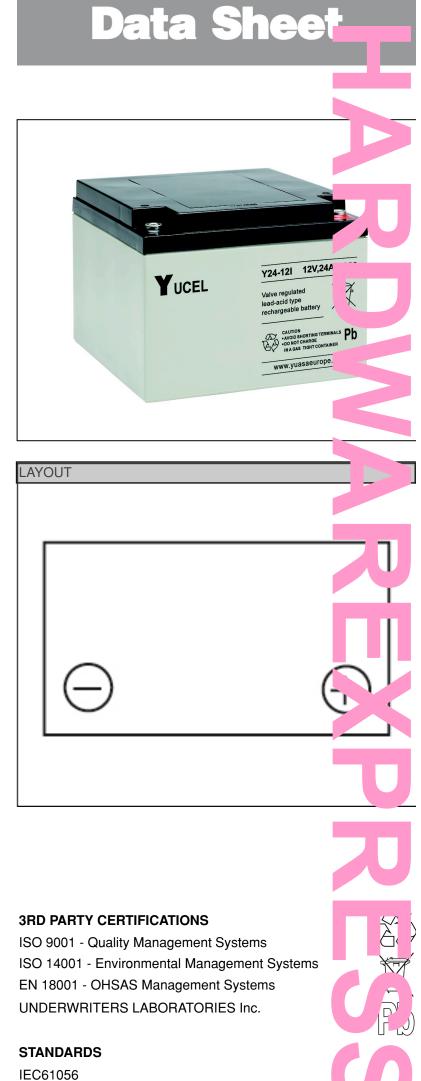
Yucel-Series - Valve Regulated Lead Acid Battery Y24-12

SPECIFICATIONS			
Nominal voltage	12	V	
20-hr rate Capacity to 1.75VPC at 20°C	24	Ah	
10-hr rate Capacity to 1.75VPC at 20°C	22.23	Ah	
DIMENSIONS			
Length	166.5 (±1)	mm	
Width	175 (±1)	mm	
Height	125 (±1)	mm	
(height over terminals)	125 (±2)	mm	
Mass (typical)	8.1	kg	
TERMINAL TYPE			
Female threaded terminal	M5		
Torque (Nm)	2.0~3.0	Nm	
OPERATING TEMPERATURE RANGE			
Storage		-20°C to +60°C	
Charge		-15°C to +50°C	
Discharge	-20°C	-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	6	A	
MAXIMUM DISCHARGE CURRENT	1		
1 minute	48	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	14	ml	
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		l'	

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



ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE

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YUCEL

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