Data Sheet

Yucel-Series - Valve Regulated Lead Acid Battery

Y14-12

SPECIFICATIONS				
	10	5.		
Nominal voltage	12	V		
20-hr rate Capacity to 1.75VPC at 20°C	14	Ah		
10-hr rate Capacity to 1.75VPC at 20°C	13	Ah		
DIMENSIONS		-		
Length	151 (±2)	mm		
Width	98 (±1)	mm		
Height	95 (±1)	mm		
(height over terminals)	101 (±2)	mm		
Mass (typical)	4.2	kg		
		1		
FASTON (Quickfit / release)	6.35	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%) 2.275 (±1%)	V V/cell		
Float Charge voltage temperature correction factor	2.273 (±178)	V/Cell		
(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	3.50	A		
MAXIMUM DISCHARGE CURRENT				
1 minute	75	A		
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE				
(according to EN IEC 60896-21)				
Internal resistance	N/A	m		
Short-Circuit current	N/A	A		
IMPEDANCE				
Measured at 1 kHz	17	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		1,5410		
SAFETY				
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



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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





ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE Issue No.: V.1 / Issue Date: November 2012



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