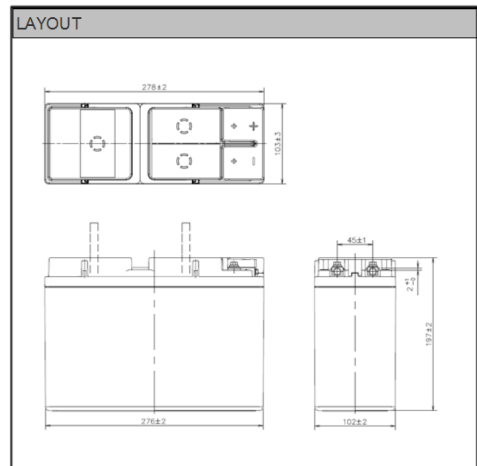


FXH-Series - Valve Regulated Lead Acid Battery

FXH45-12IFR

SPECIFICATIONS		
Nominal voltage	12	V
20-hr rate Capacity to 1.80VPC at 20°C	46.4	Ah
10-hr rate Capacity to 1.80VPC at 20°C	44.6	Ah
DIMENSIONS		
Length	278 (±2)	mm
Width	103 (±3)	mm
Height	197 (±2)	mm
Mass (typical)	15	kg
BATTERY TERMINAL TYPE		
Female threaded terminal	M6	
Torque	3.9-5.4	Nm
90° ADAPTOR TERMINAL TYPE		
Female threaded terminal	M5	
Torque	2.0-3.0	Nm
OPERATING TEMPERATURE RANGE		
Storage	-15°C to +45°C	
Charge	-15°C to +45°C	
Discharge	-15°C to +45°C	
STORAGE		
Capacity loss per month at 20°C (approx)	3	%
CASE MATERIAL		
Flame retardant (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	14.52 (±1%)	V
	2.42 (±1%)	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	4.64	A
Cyclic (or Boost) charge current limit	4.64	A
MAXIMUM DISCHARGE CURRENT		
1 second	400	A
1 minute	150	A
IMPEDANCE		
Measured at 1 kHz	4.7	mΩ
DESIGN LIFE		
EUROBAT Classification: Standard Commercial	12+	years
Yuasa design life @ 20°C	12	years
SAFETY		
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		



3RD PARTY CERTIFICATIONS

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



STANDARDS

IEC61056
 IEC60896-21/22



ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE

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