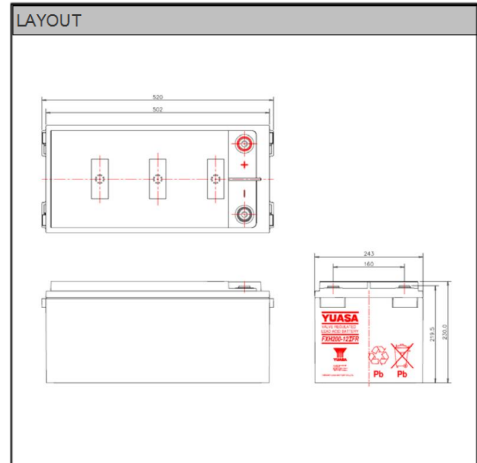


## FXH-Series - Valve Regulated Lead Acid Battery

### FXH200-12IFR

SPECIFICATIONS		
Nominal voltage	12	V
20-hr rate Capacity to 1.80VPC at 20°C	234.8	Ah
10-hr rate Capacity to 1.80VPC at 20°C	229	Ah
DIMENSIONS		
Length	520 (±3)	mm
Width	243 (±3)	mm
Height	230 (±3)	mm
Mass (typical)	70.60	kg
BATTERY TERMINAL TYPE		
Female threaded terminal	M8	
Torque	9.0-11.9	Nm
90° ADAPTOR TERMINAL TYPE		
Female threaded terminal	N/A	
Torque	N/A	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	23.48	A
Cyclic (or Boost) charge current limit	23.48	A
MAXIMUM DISCHARGE CURRENT		
1 second	1000	A
1 minute	500	A
IMPEDANCE		
Measured at 1 kHz	2.1	mΩ
DESIGN LIFE		
EUROBAT Classification: Standard Commercial	12+	years
Yuasa design life @ 20°C	12	years
SAFETY		
<b>Installation</b>		
Can be installed and operated in any orientation except permanently inverted		
<b>Handles</b>		
Batteries must not be suspended by their handles (where fitted)		
<b>Vent valves</b>		
Each cell is fitted with a low pressure release valve to allow gasses to escape and then reseal.		
<b>Gas Release</b>		
VRLA Batteries release hydrogen gas which can form explosive mixtures in air. Do not place inside a sealed container		
<b>Recycling</b>		
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

Issue No.: V.2 / Issue Date: March 2014



YUASA BATTERY SALES UK LTD.  
 Unit 13, Hunts Rise  
 South Marston Industrial Estate  
 Swindon  
 SN3 4TG  
 UK