

# Data Sheet

## RE-Series - Valve Regulated Lead Acid Battery

### RE12-12

SPECIFICATIONS		
Nominal voltage	12	V
20-hr rate Capacity to 1.75VPC at 20°C	12	Ah
10-hr rate Capacity to 1.75VPC at 20°C	10.56	Ah
DIMENSIONS		
Length	151 (±1)	mm
Width	98 (±1)	mm
Height	94 (±1)	mm
(height over terminals)	98 (±2)	mm
Mass (typical)	4.15 (4.4)	kg
TERMINAL TYPE		
FASTON (Quickfit / release)	6.35	mm
OPERATING TEMPERATURE RANGE		
Storage	-15°C to +40°C	
Charge	-0°C to +40°C	
Discharge	-15°C to +50°C	
STORAGE		
Capacity loss per month at 20°C (approx)	3	%
CASE MATERIAL		
Standard - Flame Retardant	ABS (UL94:V0)	
Option	ABS (UL94:HB)	
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	14.5 (±3%)	V
	2.42 (±3%)	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	A
MAXIMUM DISCHARGE CURRENT		
1 second	180	A
1 minute	24	A
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE (according to EN IEC 60896-21)		
Internal resistance	N/A	mΩ
Short-Circuit current	N/A	A
IMPEDANCE		
Measured at 1 kHz	15	mΩ
PERFORMANCE & CHARACTERISTICS		
Refer to the technical manual	RE	
DESIGN LIFE		
EUROBAT Classification: General purpose	6 to 9	years
Yuasa design life @ 20°C	up to 10	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		



#### LAYOUT



#### 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  
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