TEV-Series - Valve Regulated Lead Acid Battery

TEV12210

Data Sheet

SPECIFICATIONS		
Nominal voltage	12	V
20-hr rate Capacity to 10.5V at 20°C	21	Ah
10-hr rate Capacity to 10.8V at 20°C	17.9	Ah
DIMENSIONS		
Length	166 (±1)	mm
Width	175 (±1)	mm
Height	125 (±2)	mm
(height over terminals)	N/A	mm
Mass (typical)	7.2	kg
TERMINAL TYPE		
Female threaded terminal	M6	mm
Torque	7	Nm
OPERATING TEMPERATURE RANGE		
Storage (in fully charged condition)	-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%)	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	5.25	A
MAXIMUM DISCHARGE CURRENT		
1 second	500	A
1 minute	210	A
CYCLIC LIFE DATA		
100% DOD down to 80% capacity	300	cycles
75% DOD down to 80% capacity	500	cycles
50% DOD down to 80% capacity	600	cycles
25% DOD down to 80% capacity	1400	cycles
IMPEDANCE		
Measured at 1 kHz	7.2	mΩ
PERFORMANCE & CHARACTERISTICS		
Refer to the technical manual	TEV	
DESIGN LIFE		
EUROBAT Classification: Standard Commercial	3 to 5	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

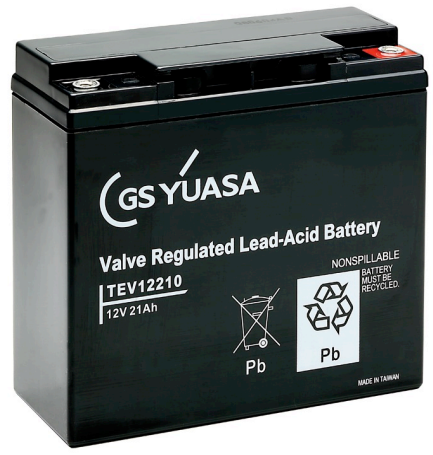
Each cell is fitted with a low pressure release valve to allow gasses to escape and then reseal.

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



LAYOUT

3RD PARTY CERTIFICATIONS

ISO 9001 - Quality Management Systems
ISO 14001 - Environmental Management Systems
EN 18001 - OHSAS Management Systems

UNDERWRITERS LABORATORIES Inc.

STANDARDS

IEC61056
IEC60895-21/22

Certificate No. FM 10626

Certificate No. EMS 55229

ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE

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