# **Data Sheet**

# **ENL-Series - Valve Regulated Lead Acid Battery ENL100-12FT**

SPECIFICATIONS		
Nominal voltage	12	V
10-hr rate Capacity to 10.8V at 20°C	100	Ah
10-min rate Constant Power to 1.6V/cell at 20°C		Watts
DIMENSIONS		
Length	558 (±2)	mm
Width	125 (±0.5)	mm
Height	235 (±1)	mm
(height over terminals)	N/A	mm
Mass (typical)	41.0	kg
TERMINAL TYPE		
Threaded terminal - ( M=Male or F=Female )	M6 (M)	mm
Torque	6 (±0.5)	Nm
OPERATING TEMPERATURE RANGE		
Storage (in fully charged condition)	-20°C to +50°C	
Charge	-15°C to +50°C	
Discharge	-20°C to +60°C	
STORAGE	<u> </u>	
Capacity loss per month at 20°C (approx)		%
CASE MATERIAL		
Flame retardant	ABS (UL94:V0)	
CHARGE VOLTAGE		
Float charge voltage at 20°C	13.56 (±1%) 2.26 (±1%)	V V/cell
Float Charge voltage temperature correction factor (for variations from the standard 20°C)	-3	mV/cell/°C
Boost charge at 20°C	14.4 (±2%) 2.40 (±2%)	V V/cell
Boost Charge voltage temperature correction factor (for variations from the standard 20°C)	-4	mV/cell/°C
CHARGE CURRENT	1	
Float charge current limit	No limit	Α
Boost charge current limit	25.00	Α
MAXIMUM DISCHARGE CURRENT		
1 second	500	Α
1 minute	200	Α
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE	•	
(according to EN IEC 60896-21)		
Internal resistance	7.4	mí
Short-Circuit current	1900	Α
IMPEDANCE		
Measured at 1 kHz	5	mΩ
PERFORMANCE & CHARACTERISTICS		
Refer to the technical manual	ENL-FT	
Refer to the technical manual DESIGN LIFE	ENL-FT	
DESIGN LIFE	ENL-FT	
		years
DESIGN LIFE EUROBAT Classification: High Performance	-	years years



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.

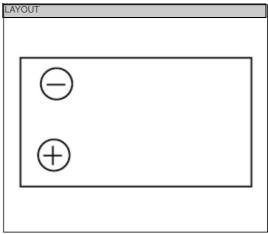
#### Gas Release

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 Issue No.: V.1 / Issue Date: July 2010



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