ENL-Series - Valve Regulated Lead Acid Battery ENL100-6

SPECIFICATIONS			
Nominal voltage	6	V	
10-hr rate Capacity to 5.4V at 20°C	102	Ah	
10-min rate Constant Power to 1.6V/cell at 20°C	399	Watts	
DIMENSIONS			
Length	200 (±0.5)	mm	
Width	208 (±1)	mm	
Height	238 (±1)	mm	
(height over terminals)	N/A	mm	
Mass (typical)	23.0	kg	
TERMINAL TYPE			
Threaded terminal - (M=Male or F=Female)	M8 (M)	mm	
Torque	6 (±0.5)	Nm	
OPERATING TEMPERATURE RANGE			
Storage (in fully charged condition)	-20°C to	-20°C to +50°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			
Flame retardant	ABS (UL94:V0)		
CHARGE VOLTAGE			
Elect charge valtage at 20°C	6.78 (±1%)	V	
Float charge voltage at 20°C	2.26 (±1%)	V/cell	
Float Charge voltage temperature correction factor (for variations from the standard 20°C)	-3	mV/cell/°C	
Boost charge at 20°C	7.2 (±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			
Float charge current limit	No limit	Α	
Boost charge current limit	25.50	Α	
MAXIMUM DISCHARGE CURRENT			
1 second	1000	Α	
1 minute	600	Α	
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE			
(according to EN IEC 60896-21)			
Internal resistance	3.44	m	
Short-Circuit current	2035	Α	
IMPEDANCE			
Measured at 1 kHz	2	m	
PERFORMANCE & CHARACTERISTICS			
Refer to the technical manual	ENL		
DESIGN LIFE	!		
EUROBAT Classification: High Performance	-		
EUROBAT Classification: Long Life	12+	years	
Yuasa design life @ 20°C	15	years	
SAFETY	10	yoara	
O/II LTT			

SAFETY Installation

CDECIFICATIONS

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.

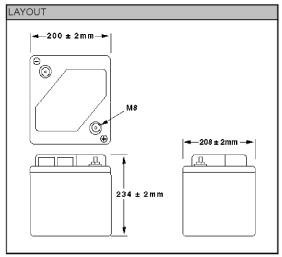
Gas Release

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.2 / Issue Date: March 2011



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