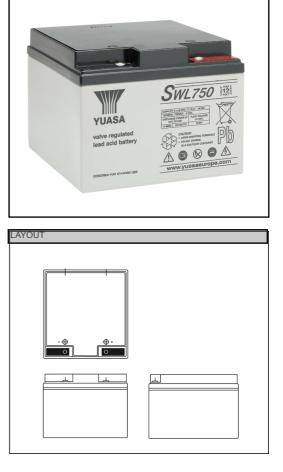
Data Sheet

SWL-Series - Valve Regulated Lead Acid Battery SWL750 (FR)

SPECIFICATIONS			
Nominal voltage	12	V	
10-min rate Constant Power to 9.6V at 20°C	750	Watts	
10-min rate Constant Power to 1.6V/cell at 20°C	125	Watts	
10-hr rate Capacity to 10.8V at 20°C	22.9	Ah	
DIMENSIONS			
_ength	166 (±0.5)	mm	
Width	175 (±0.5)	mm	
Height	125 (±0.5)	mm	
(height over terminals)	N/A	mm	
Mass (typical)	9.0	kg	
TERMINAL TYPE			
Female threaded terminal	M5	mm	
Torque	2.5	Nm	
OPERATING TEMPERATURE RANGE			
Storage (in fully charged condition)	-20°C to	-20°C to +60°C	
Charge	-15°C to	-15°C to +50°C	
Discharge	-20°C to	-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 (U	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%) 2.42 (±3%)	V 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	11.45	А	
MAXIMUM DISCHARGE CURRENT			
1 second	500	A	
I minute	150	A	
SHORT-CIRCUIT CURRENT & INTERNAL RESISTANCE			
according to EN IEC 60896-21)			
nternal resistance	20.47	mΩ	
Short-Circuit current	714	A	
MPEDANCE			
Measured at 1 kHz	9.5	mΩ	
PERFORMANCE & CHARACTERISTICS			
Refer to the technical manual	SWL		
DESIGN LIFE			
EUROBAT Classification: High Performance	10 to 12	years	
/uasa design life (at 20°C)	up to 10	years	
SAFETY			
nstallation			
Can be installed and operated in any orientation except perm	anently inverted		
landles	.,		
Batteries must not be suspended by their handles (where fitte	ed)		
/ent valves	/		
Each cell is fitted with a low pressure release valve to allow g	asses to escape and then	reseal	
-uon com lo nited with a low pressure release valve to allow y	acces to cocape and the	100001.	

VRLA Batteries release hydrogen gas which can form explosive mixtures in air. Do not place inside a sealed

YUASA's VRLA batteries must be recycled at the end of life in accordance with local and national laws and



3RD PARTY CERTIFICATIONS

ISO 9001 - Quality Management Systems ISO 14001 - Environmental Management Systems EN 18001 - OHSAS Management Systems TL4423-6 by DeTeImmobilien UNDERWRITERS LABORATORIES Inc.



STANDARDS

IEC61056 IEC60896-21/22







ALL DATA IS SUBJECT TO CHANGE WITHOUT NOTICE Issue No.: V.3 / Issue Date: March2011



SWL

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Gas Release

container

Recycling

regulations