

	<p align="center">Yuasa Technical Centre Europe Technical Product Specification</p>	<p align="center">SWL3300FR Data Sheet</p>
---	--	---

DATA SHEET:

SWL3300FR Valve Regulated Lead-Acid Battery

1	Nominal Voltage	12 V				
2	Nominal Performance	3300 W at 20°C to 9.60 V	110 Ah, C ₂₀ to 10.50 V at 20°C 102 Ah, C ₁₀ to 10.80 V at 20°C			
4	Dimensions	350 ^(±1) (L) × 168 ^(±1) (W) × 225 ^(±2) (Ht) (mm)				
5	Mass	38 kg				
6	Terminal	M8 Female threaded terminal; Torque 6 Nm				
7	Case material	ABS (UL94 : V0 Classification)				
8	Installation	Can be operated in any orientation, except permanently inverted.				
9	Energy Density	99.8 Wh / litre at 20-hr rate				
10	Specific Energy	34.7 Wh / kg at 20-hr rate				
11	Internal resistance	4 mΩ at 1 kHz AC				
12	Maximum discharge current	Continuous discharge (1-min)	Peak discharge (1-sec)			
		550 A	1000 A			
13	Operating temperature range	Charge	Discharge	Storage (fully charged)		
		-15°C to +50°C	-20°C to +60°C	-20°C to +50°C		
14	Charge retention (shelf life) at 20°C	1 month	3 months	6 months		
		97%	91%	85%		
15	Standby Life expectancy	Up to 10 years, at 2.275 V/cell float charge at 20°C				
17	Rated Performance	Rating	3-min	5-min	10-min	20-min
		Load	850 W/cell	750 W/cell	550 W/cell	330 W/cell
		Final Voltage	1.60 V/cell	1.60 V/cell	1.60 V/cell	1.60 V/cell
18	Internal Resistance	<5 mΩ according to IEC 61056 & IEC EN 60896-2 (1996)				
19	Short circuit current	>2000 A according to IEC 61056 & IEC EN 60896-2 (1996)				

Document Ref. No.	YTCE	Issue Date	10/09/2009	Issued by:	
Issue No:	v.1	Page:	1 of 1	Peter Hollingworth Technical Support Manager	