



FLL 600

DIMENSIONAL FEATURES

Nominal Voltage		2V		Sealed Stationary Cell regulated with valves (VRLA) Box material: ABS grey color FV0 Lid material: ABS heat-welded grey color FV0 Positive and negative plates: flat (melted grids) alloy Pb/Ca/Sn High porosity glassmat separators AGM VRLA Technology Standards: IEC CEI EN 60896 Parts 21-22
Nominal Capacity (10 hours)		600Ah (1,80V) at 20°C		
Dimensions	Length	223,0 ±2mm		
	Width	183,5 ±2mm		
	Box height	358,5 ±2mm		
	Total height	371,5 ±2mm		
Technical drawing n° 4 00416-0		Weight 35.0 Kg ± 5%		
Screw terminals: M8 female		Material: brass with protection		
				<p>Floating voltage at 20°C 2,27±0,02V/cell Boost charging voltage 2,40±0,02V/cell Exercise temperature: 20°C±3°C (recommended) Max working temperature: -40°C / 55°C Tightening torque: max 12 Nm</p>

ELECTRIC FEATURES

Characteristics			Discharge Curves @ 20°C (68 °F)	
Capacity	10 hours (1,80Vfin at 20°C)	600,0 Ah		
	8 hours (1,75Vfin at 20°C)	576,2 Ah		
	3 hours (1,70Vfin at 20°C)	484,3 Ah		
	1 hour (1,60Vfin at 20°C)	362,4 Ah		
	0,25 hour (1,60Vfin at 20°C)	175,4 Ah		
Influence of the temperature on the capacity (10h)	40°C	102%		
	20°C	100%		
	0° C	85%		
Internal Resistance Ri: 0,36 mΩ ±10%		SCC Isc: 5780 A ±10%		
Charging Voltage	Standby use	No limit on the initial charging current Voltage 2,25~2,30V at 20°C Temperature coefficient -20 mV/°C		

Table of discharge at constant current (Amp) and constant power (Watt/cell) at 20°C

Time		15min	30min	60min	2hours	3hours	4hours	5hours	8hours	10hours	24hours
1.65V	A	660,59	494,30	357,74	229,35	167,51	133,36	109,96	75,10	63,00	28,43
	W	1384,82	1085,54	754,96	484,13	365,89	295,25	248,71	165,84	136,74	63,36
1.70V	A	621,73	477,69	342,45	221,16	161,42	130,89	108,93	74,38	62,40	28,70
	W	1335,80	1058,89	718,52	470,11	352,84	285,12	242,97	162,11	132,87	62,15
1.80V	A	555,12	415,38	305,76	204,78	151,00	123,48	103,74	71,52	60,00	27,60
	W	1225,50	986,85	674,67	445,05	327,92	270,26	230,52	152,22	129,00	60,63