



FLL-500

PHYSICAL SPECIFICATION

Nominal Voltage Nominal Capacity (10Hr)		2V 500Ah (1,80V) at 20°C		Box material : ABS FV0 Tensione di mantenimento a 20°C 2,27±0,02V/el Tensione di carica rapida 2,40±0,02V/el Autoscarica a 20°C 2%/mese Terminal hardware torque: 15 ±1 Nm Max charge current allowed :125A Tecnologia AGM 1200 cicli all'80%DOD Design cycles 15 years
Dimensions	Length	194,5 ±2mm		
	Width	184,5 ±2mm		
	Box Height	360,5 ±2mm		
	Total Height	372 ±2mm		
Drawing 4 00381-0		Weight 29,5 Kg ± 5%		
Standard Terminal		Bolt Screw Type: M8 female		
				Bolt-and-nut terminal Bolt Type:M8

ELECTRICAL SPECIFICATION

Characteristics			Discharge curves @ 25°C (77 °F)		
Capacity	10 hour rate (1,80V) 3 hour rate (1,80V) 1 hour rate (1,75V)	500,00Ah 375,00Ah 275,00Ah			
Capacity affected by temperature	40°C 20°C 0°C	102% 100% 85%			
Internal Resistance 0,33 mΩ ±10%		SCC 5000 A ±10%			
Constant Voltage Charge	Stand by use	Voltage 2,25V/cell at 20°C Temperature Coefficient -20 mV/el/°C			

Constant Current(Amp) and Constant Power (Watt/Cell) Discharge Table at 20°C

Time		15min	30min	60min	2hour	3hour	4hour	5hour	8hour	10hour	24hour
1.65V	A	651	495	310	188	138	110	93,5	65	54,2	24,2
	W	1139	893	622	398	302	243	205	137	113	51,8
1.70V	A	610	455	296	181	134	109	92,7	63,9	53,4	24,1
	W	1098	871	592	387	291	235	200	134	110	50,3
1.80V	A	545	396	264	167	125	102	88	61,9	50	23,3
	W	1007	812	556	366	271	223	190	125	106	48,8