

VALVE REGULATED LEAD ACID (VRLA) BATTERY MAINTENANCE-FREE ACU12-7

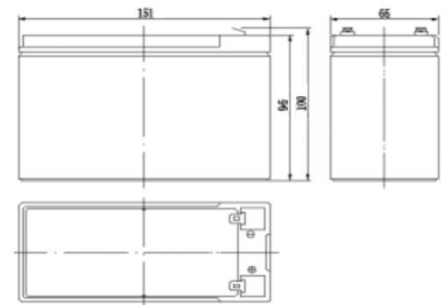
Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		7Ah
Dimension	Length	151mm (±3)
	Width	65mm (±3)
	Height	95mm (±3)
	Total Height	100mm (±3)
Approx. Weight		2.1kg±4%

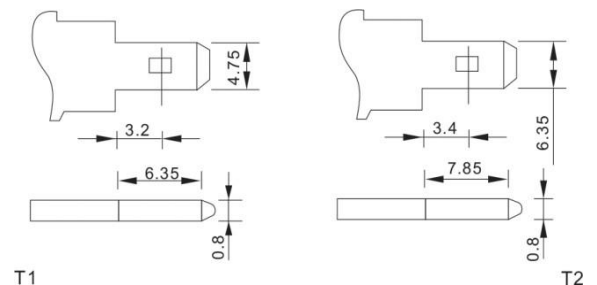


Characteristics Dimension

Capacity (25°C)	20HR(10.5V)	7Ah
Technology	Absorbent Glass Mat (AGM)	
Terminal type	T1 / T2	
Capacity affected by temperature (20HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature	25°C±3°C(77°F±5°F)	
Operating temperature range	Discharge	-15°C~50°C(5°F~122°F)
	Charge	-10°C~50°C(14°F~122°F)
	Storage	-20°C~50°C(-4°F~122°F)
Standby voltage	13.50 to 13.80V	
	Temperature compensation:	
	-18mV/°C	
Maximum charging current	2.16A	
Maximum discharge current	105A (5 sec.)	



Terminal



Constant Current Discharge Characteristics Unit A (25°C, 77°F)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	26.7	16.9	13.2	7.46	4.59	2.51	1.74	1.44	1.22	0.66	0.36
9.90V	25.9	16.4	12.9	7.31	4.52	2.49	1.72	1.43	1.21	0.66	0.35
10.2V	24.9	15.8	12.4	7.08	4.40	2.47	1.71	1.42	1.21	0.66	0.35
10.5V	23.8	15.1	12.0	6.91	4.31	2.43	1.70	1.47	1.20	0.65	0.35
10.8V	22.5	14.2	11.4	6.66	4.18	2.37	1.65	1.36	1.16	0.64	0.34

Constant Power Discharge Characteristics Unit W (25°C, 77°F)

F.V/TIME	5min	10min	15min	30min	60min	2h	3h	4h	5h	10h	20h
9.60V	298	191	151	85.4	53.1	29.3	20.6	17.1	14.6	7.95	4.26
9.90V	289	185	147	83.7	52.3	29.2	20.5	17.0	14.5	7.92	4.25
10.2V	278	178	142	81.2	51.0	28.9	20.3	16.9	14.4	7.88	4.23
10.5V	266	170	137	79.2	50.0	28.5	20.2	16.8	14.3	7.84	4.20
10.8V	251	161	130	76.3	48.4	27.8	19.6	16.3	13.9	7.68	4.12

Note: The above characteristics data can be obtained within three charge/discharge cycle.