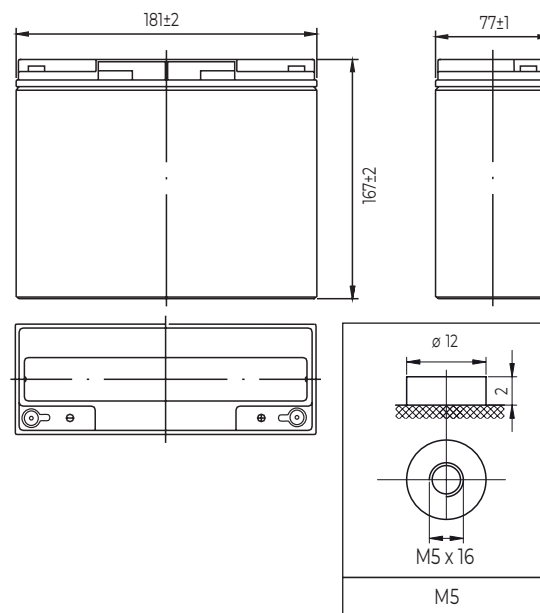


### CHARACTERISTICS

Deep Cycle Series

Nominal voltage		12V (6 cell per unit)
Nominal capacity at 20 hours rate/10.5V (25°C)		20Ah
Capacity (25°C)	10 Hours rate/10.5V	19Ah
	1 Hours rate/9.6V	13.4Ah
Terminal type		M5
Torque		3.0±0.6N.m
Approx. internal resistance (25°C)		12 mΩ
Dimensions	Length	181±2mm
	Width	77±1mm
	Height	167±2mm
	Total height	167±2mm
Design Life (stand-by)	JIS at 25°C	8 years
	Eurobat at 20°C	6-9 years
Weight		5.80kg ±4%
Nominal operating temperature		25±3°C
Operating temperature range	Discharge	-15°C~50°C
	Charge	-10°C~50°C
	Storage	-20°C~50°C
Float charging voltage at 25°C		13.6V~13.8V
Cyclic charging voltage at 25°C		14.5V~15.0V
Temperature compensation	Float charge	-18 mV/°C/Block
	Cycle charge	-30 mV/°C/Block
Max. charging current (A)		6A
Max. discharge current for 5 seconds		300A
Self discharge rate (25°C)		≤3%/month
Battery container ABS UL94-HB		V-0 optional

### DIMENSIONS & TERMINAL TYPE (MM)



### CERTIFICATION & COMPLIANCES



Compliant to: EUROBAT, RoHS, WEEE's and Reach.  
Manufactured according to IEC 60896-21 / 22

### CONSTRUCTION

Component	Positive Plate	Negative plate	Container	Separator	Electrolyte	Safety valve	Terminal
Raw material	Lead dioxide	Lead	ABS (V-0 opt.)	AGM	Sulfuric Acid	Rubber	Copper

### CONSTANT CURRENT DISCHARGE CHARACTERISTICS AT 25°C

(Ampere/battery)

F.V/Time	5min	10min	15min	30min	60min	2hr	3hr	4hr	5hr	10hr	20hr
9.60V	78.3	49.6	38.7	21.8	13.4	7.35	5.08	4.2	3.58	1.94	1.04
9.90V	76.0	48.1	37.8	21.4	13.2	7.30	5.05	4.18	3.55	1.93	1.04
10.2V	72.8	46.1	36.4	20.7	12.9	7.24	5.02	4.15	3.53	1.92	1.03
10.5V	69.7	44.2	35.2	20.2	12.6	7.13	4.98	4.12	3.51	1.91	1.03
10.8V	65.8	41.7	33.3	19.5	12.2	6.95	4.83	4.00	3.40	1.87	1.00

### CONSTANT POWER DISCHARGE CHARACTERISTICS AT 25°C

(Watts/battery)

F.V/Time	5min	10min	15min	30min	60min	2hr	3hr	4hr	5hr	10hr	20hr
9.60V	874	560	442	250	155	85.9	60.4	50.1	42.7	23.3	12.5
9.90V	848	543	431	245	153	85.4	60.0	49.8	42.4	23.2	12.4
10.2V	813	520	415	238	149	84.7	59.6	49.4	42.1	23.1	12.4
10.5V	778	498	401	232	146	83.4	59.2	49.1	41.9	23.0	12.3
10.8V	734	470	380	223	142	81.3	57.4	47.6	40.6	22.5	12.1

The above characteristics represent average values and can be obtained within three charge and discharge cycles. The batteries must be fully charged before testing. The data in this document is subject to change without notice and become contractual only after written confirmation. Please contact Avacom for the latest available version.