



# SWG12650(12V65AH)



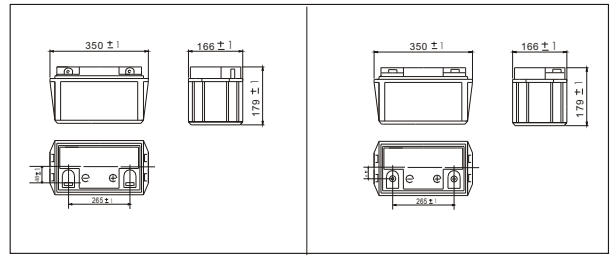
## Specifications

Nominal Voltage		12V
Rated capacity (20 hour rate)		65 Ah
Dimensions	Total Height	179 mm (7.05 inches)
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	Length	350 mm (13.8 inches)
	Width	166mm (6.54 inches)
Weight Approx		23 Kg (50.8 lbs)

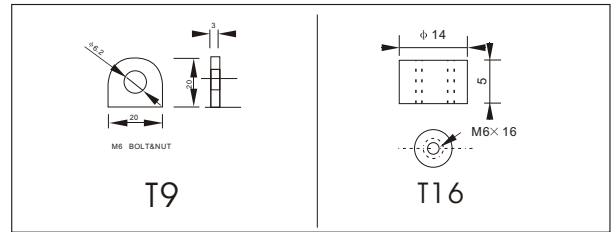
## Characteristics

Capacity 25°C(77°F)	20 hour rate(6.5 A) 10 hour rate(6.0 A) 5 hour rate(9.6 A) 1 hour rate(36 A)	65 AH 60AH 48 AH 36 AH
Internal Resistance	Full charged Battery at 25°C(77°F)	Approx 11 m Ω
Capacity affected by Temperature (10hour rate)	40°C(104°F) 25°C(77°F) 0°C(32°F) -15°C(5°F)	102% 100% 85% 65%
Self-Discharge at 25°C(77°F)	Capacity after 3 month storage Capacity after 6 month storage Capacity after 12 month storage	91% 82% 64%
Terminal		T9、T16
Charge (constant Voltage)	Cycle	Initial Charging Current less than 24 A Voltage 14.10-14.40V
	Float	Voltage 13.50-13.80V

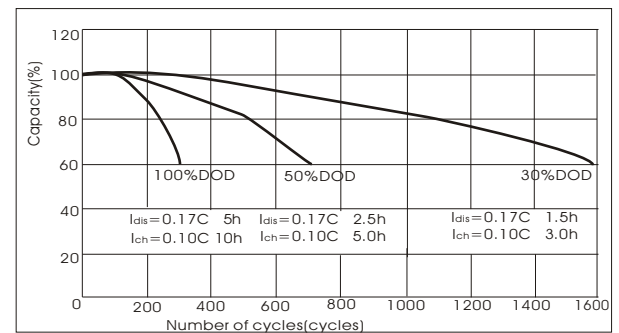
## Outer dimensions (mm)



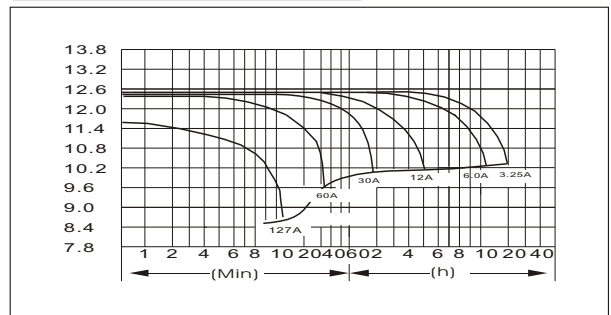
## Terminal Type (mm)



## Curves of cycle life(25°C)



## Discharge Curves 25°C(77°F)



## Constant Current(Amp) and Constant Power(Watt) Discharge Table at 25°C(77°F)

Time		5min	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
9.60V	A	192	127	102	68	36	21	15.4	12.0	9.9	7.0	6.3	3.4
	W	1983	1352	1094	735	389	231	171.6	135.0	112.6	80.4	72.8	39.6
10.20V	A	186	114	96	65	34	20	15.0	11.7	9.7	6.8	6.2	3.3
	W	1988	1276	1076	734	383	231	173.7	136.0	113.3	80.0	72.6	38.7
10.50V	A	180	102	84	61	33	20	14.6	11.5	9.6	6.8	6.1	3.3
	W	1966	1162	959	704	379	227	170.6	134.8	112.6	79.7	71.7	39.0
10.80V	A	174	96	78	56	32	19	14.3	11.3	9.4	6.6	6.0	3.2
	W	1947	1111	900	653	369	223	168.4	133.9	110.6	78.2	71.3	38.6
11.10V	A	168	90	72	50	31	19	13.8	11.0	9.1	6.4	5.7	3.1
	W	1902	1045	839	590	360	220	163.9	131.5	108.8	76.9	68.8	37.1