

◆ Valve Regulated Lead Acid Battery(VRLA)

ESP65-12 (12V, 65Ah/10Hr)

► Applications

- Solar, Renewable , UPS, Telecoms

► Technical Features

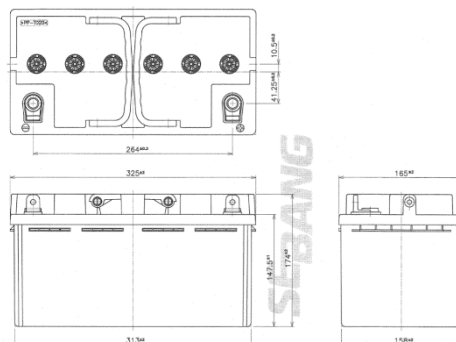
- Sealed Construction
- Absorptive Glass Mat System(AGM System)
- Gas Recombination
- Low Pressure Venting System
- Maintenance Free

► Specifications

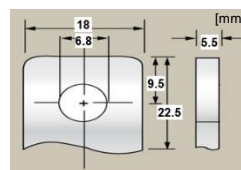
Nominal Capacity(AH)	· 65	
Nominal Voltage(V)	· 12	
Dimensions(L*W*H*TH)	· 325*165*174*174(mm)	
Weight(kg)	· 19.3	
Design life(at 25°C)	Cycle	· DOD50% 1000 cycle
	Float	· 10 years
Internal resistance(mΩ, at25°C)	· 5.8	
Self Discharge(at 25°C)	· 3% / Month	
Operational Temperature Range	Storage	· -15 ~ 40°C
	Discharge	· -15 ~ 45°C
	charge	· 0 ~ 40°C
Charge voltage (at 25°C)	Cyclic use	· 14.4V
	Standby use	· 13.32V



► Lay out



► Terminals



► Performance Data (Constant Current-Ampere, at 25°C)

Final Voltage	5min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h	100h
1.8V / Cell	163	91.9	62.4	45.6	37.2	22.4	16.1	10.5	7.1	6.0	3.25	0.70
1.7V / Cell	183	104	64.6	48.4	40.0	23.8	17.4	11.4	7.5	6.2	3.3	0.78
1.6V / Cell	213	113	66.3	49.7	41.1	24.6	18.1	11.8	8.3	6.3	3.4	0.80

► Performance Data (Constant Power-Watts, at 25°C)

Final Voltage	5min	10min	15min	20min	30min	40min	50min	1hr	2hr	3hr	5hr	8hr	10hr
1.8V / Cell	1500	1258	1095	891	726	600	460	437	234	188	120	84	72
1.75V / Cell	1700	1333	1161	925	756	605	475	447	239	193	125	87	75
1.7V / Cell	1900	1408	1195	960	781	635	500	462	247	198	128	89	77
1.6V / Cell	2150	1513	1250	1000	796	645	510	472	250	200	130	89	79