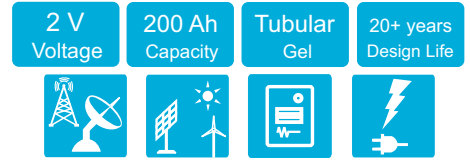


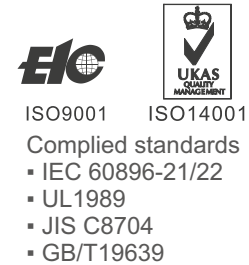
2V TUBULAR GEL SERIES VRLA BATTERY

The OPzV series adopts an Immobilized Gel and Tubular Positive Plate technology. It offers high reliability and stable performance. By using die-casted positive grid and patented active material formula, it exceeds the DIN standard values and offer 20+ years design life in float service. It is very suitable for cyclic use under extreme operating conditions. This series is recommended for telecom outdoor applications, renewable energy systems and other harsh environment applications.

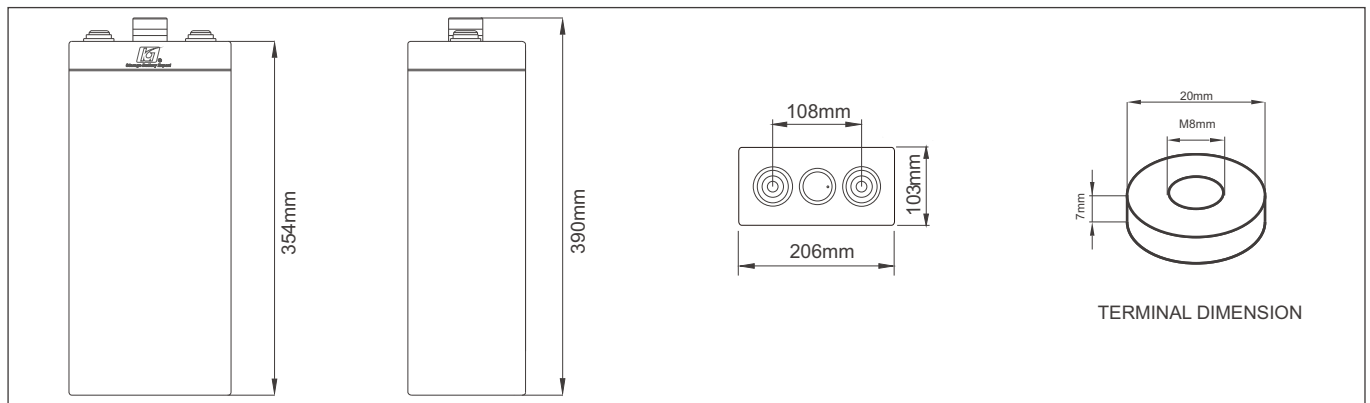


SPECIFICATIONS

Nominal Voltage (V)	2
Designed Floating Life (20°C)	20+ Years
Nominal Capacity (20°C)	100 Ah @ C10 (to 1.80Vpc)
Dimensions	L103mm× W206mm× H390mm
Approx. Weight	11.6 kg
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx. 1.1mOhm (fully charged @ 20°C)
Max. Charge Current	20 A
Max. Discharge Current (5S)	1000 A
Short Circuit Current	1800 A
Self Discharge	Approx. 2% per month @ 20°C
Ambient Temperature	Discharge: -40~65°C Charge: -30~65°C Storage: -25~45°C
Float Charge Voltage (20~25°C)	2.25-2.29V (-3mV /°C/ cell)
Equalize Charge Voltage (20~25°C)	2.35-2.40V (-5mV /°C/ cell)
Container Material	ABS(UL94-V0 optional)



DIMENSIONS



BATTERY DISCHARGE TABLE

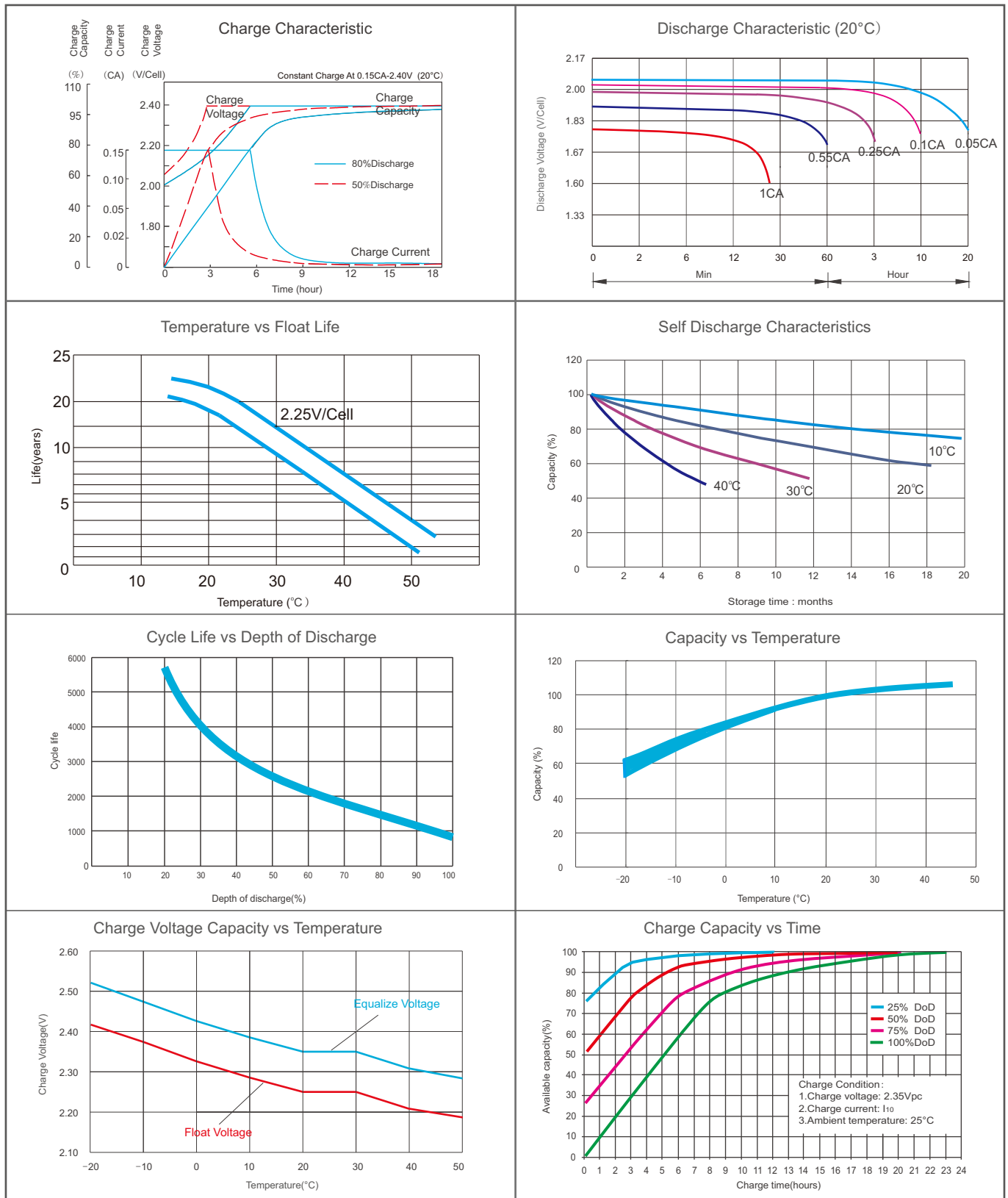
Constant Current Discharge Characteristics: Amps (20°C)

F.V./Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8 h	10 h	20h
1.90V	39.9	36.3	33.0	32.3	29.9	23.4	18.9	15.9	13.9	10.3	9.10	5.01
1.85V	43.1	41.3	40.6	40.4	34.0	25.9	20.9	17.6	16.3	10.9	9.50	5.23
1.80V	68.8	66.0	64.6	55.6	43.7	30.5	25.6	20.0	17.3	12.3	10.0	5.50
1.75V	82.6	79.2	76.8	63.6	48.7	33.0	26.5	20.8	17.8	12.5	10.3	5.78

Constant Power Discharge Characteristics: W/cell (20°C)

F.V./Time	5min	10min	15min	30min	1h	2h	3h	4h	5h	8 h	10 h	20h
1.90V	77.4	70.4	63.2	61.1	57.5	50.0	41.1	34.7	29.8	21.7	18.8	10.1
1.85V	83.6	80.2	77.9	75.9	65.4	56.5	43.0	38.6	33.1	23.7	20.4	11.0
1.80V	134	128	110	102	85.7	68.5	54.7	44.7	37.8	26.7	22.0	11.4
1.75V	160	154	113	102	86.4	71.2	57.9	47.3	39.5	27.1	22.9	11.7

CHARACTERISTICS



FINAL VOLTAGE SETTINGS RECOMMENDED ACCORDING TO THE DISCHARGE CURRENT

Discharge Current I (A)	I < 0.05C	0.05C ≤ I < 0.08C	0.08C ≤ I < 0.2C	0.2C ≤ I < 0.6C	0.6C ≤ I < 1.0C	1C ≤ I ≤ 2C
Final of Voltage	≥ 1.90 Vpc	≥ 1.85 Vpc	≥ 1.80 Vpc	≥ 1.75 Vpc	≥ 1.7 Vpc	≥ 1.6 Vpc