

## DEEP CYCLE SERIES VRLA BATTERY

By combining up-to-date DCP-II formula in the positive plates and enhanced electrolyte for VRLA, we created an innovative range of DC batteries. This range features deep cycling use with long life. It is especially designed for electricity vehicles, i.e. home mobility equipment, electric road vehicles, golf cart, electric tricycle, washing floor machine and other devices require DC motive power sources.



### TECHNICAL SPECIFICATIONS

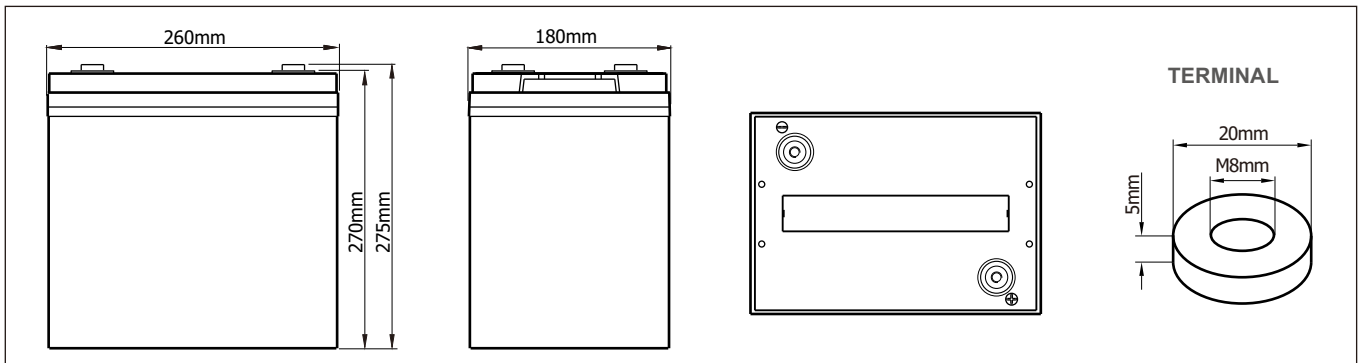
Nominal Voltage (V)	6 (3 cells per unit)
Designed Floating Life (20°C)	12 Years
Nominal Capacity (25°C)	230 Ah @ 20HR-rate (to 1.75Vpc)
Dimension (mm)	L260mm x W180mm x H275mm
Approx. Weight	34.5 kg
Terminal Type	Female Copper Insert M8
Internal Resistance	Approx. 1.4 mOhm (fully charged @ 25°C)
Max. Charge Current	120A
Max. Discharge Current (5S)	1200 A
Short Circuit Current	4000 A
Self Discharge	Approx. 3% per month @ 20°C
Ambient Temperature	Discharge: -20~60°C Charge: -20~60°C Storage: -20~45°C
Float Charge Voltage	6.80V @25°C (-3mV/ cell/ °C)
Cycle Use Charge Voltage	7.20-7.35V @25°C
Container Material	ABS (UL94-V0 optional)



#### Complied standards

- IEC61056
- GB/T19639
- GB/T22199
- JIS C8707
- UL1989

### BATTERY DIMENSIONS

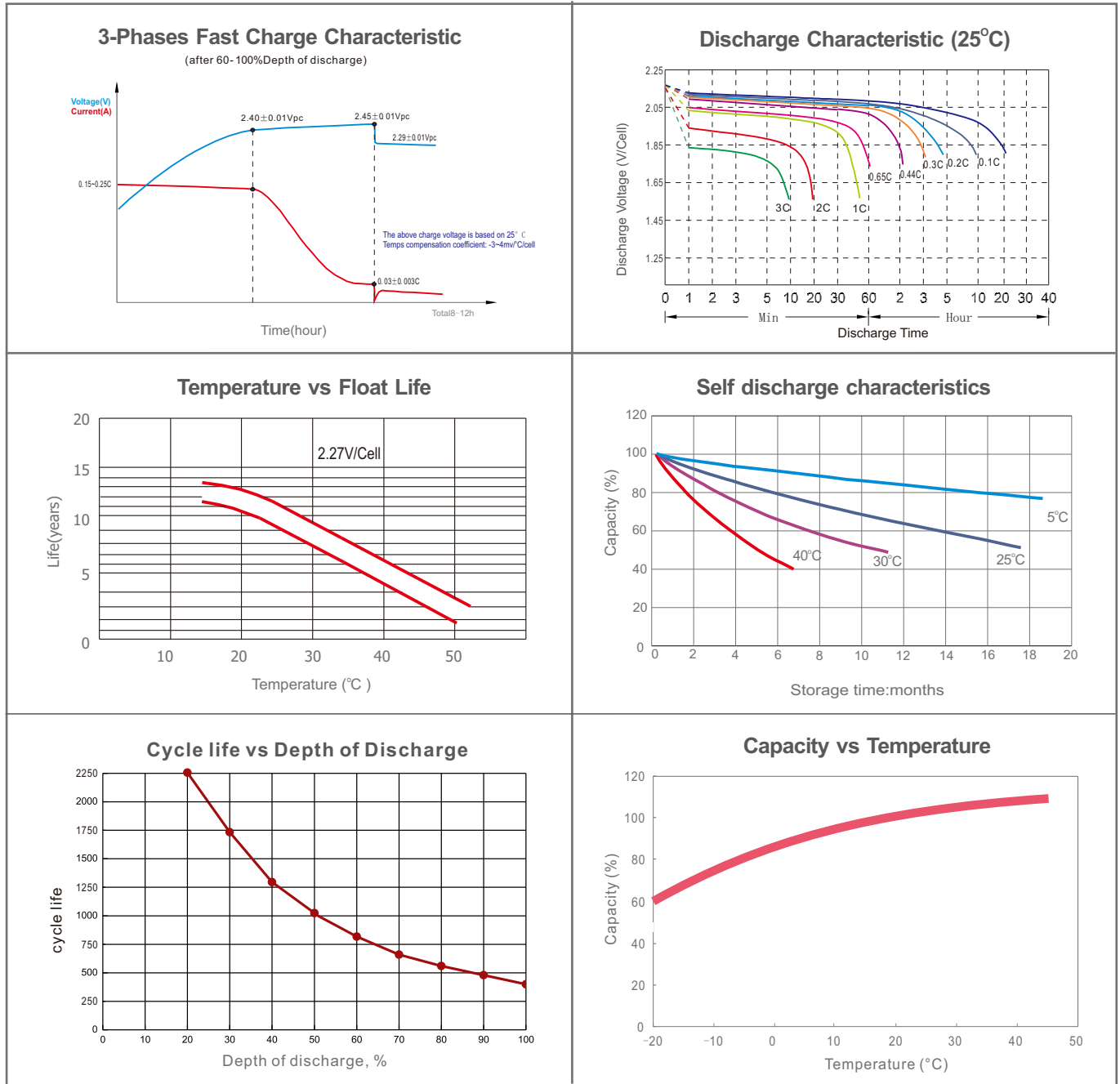


### BATTERY DISCHARGE TABLE

Constant Current Discharge Characteristics: Amps (25°C)											
F.V/T time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	492	402	248	158	94.0	69.1	53.7	44.1	28.3	22.5	12.1
1.67V	453	379	237	155	92.4	68.3	53.0	43.5	27.9	22.4	11.9
1.70V	412	358	228	151	91.2	67.5	52.4	43.2	27.6	22.2	11.7
1.75V	383	333	220	148	89.6	66.4	51.9	42.6	27.2	22.0	11.5
1.80V	348	310	210	143	87.7	65.1	50.6	41.6	26.6	21.8	11.3
1.85V	312	283	199	137	84.3	63.0	49.2	40.6	26.0	21.2	11.1

Constant Power Discharge Characteristics: W/cell (25°C)											
F.V/T time	10min	15min	30min	1h	2h	3h	4h	5h	8h	10h	20h
1.60V	860	729	451	289	176	131	101	83.3	54.0	44.3	23.8
1.67V	801	692	434	284	174	130	100	82.9	53.6	44.0	23.4
1.70V	735	660	421	280	173	129	99.4	82.6	53.3	43.8	23.1
1.75V	691	619	410	276	172	128	98.5	82.3	53.0	43.5	22.8
1.80V	635	583	395	269	169	127	97.6	81.0	52.2	43.0	22.5
1.85V	579	537	377	260	164	124	96.3	79.7	51.4	42.1	22.2

**CHARACTERISTICS**



**FINAL VOLTAGE SETTINGS RECOMMENDED ACCORDING TO THE DISCHARGE CURRENT**

Discharge Current I(A)	$I \leq 0.08C$	$0.08C \leq I < 0.2C$	$0.2C \leq I < 0.6C$	$0.6C \leq I < 1.0C$	$I \geq 1.0C$
Final of Voltage	$\geq 1.85Vpc$	$\geq 1.80Vpc$	$\geq 1.75Vpc$	$\geq 1.70Vpc$	$\geq 1.60Vpc$

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