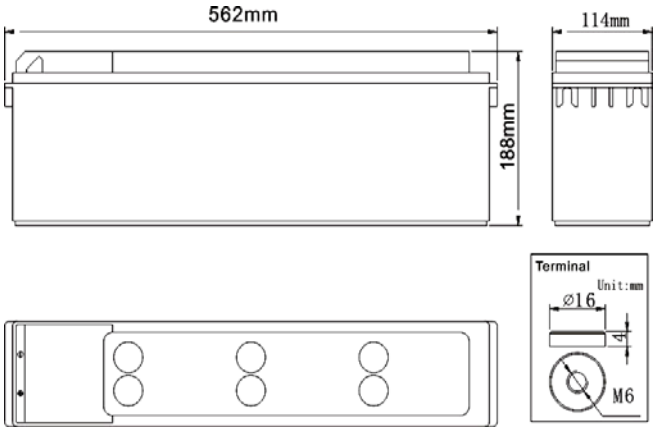
BATTERY SERVICE HUB
industrial energy solutions

FCTG12-80

Product Image

Product Dimensions



Characteristics

Nominal Voltage		12V
Nominal Capacity (20 hour rate)		80Ah
Capacity 25℃(77°F)	10 hour rate (7.61A)	76.1Ah
	5 hour rate (14.3A)	71.5Ah
	1 hour rate (52.8A)	52.8Ah
Internal Resistance	Full Charged Battery 25℃	≤6.4mΩ
Capacity affected by Temperature (10 hour)	40℃ (104°F)	102%
	25℃ (77°F)	100%
	0℃ (32°F)	90%
	-15℃ (5°F)	70%
Self-Discharge 25℃(77°F) Capacity	after 3 month storage	92%
	after 6 month storage	84%
	after 12 month storage	65%
Charge (Constant Voltage) 25℃ (77°F) — Float	Initial Charging Current Less than 16A Voltage 13.6-13.8V	
Charge (Constant Voltage) 25℃ (77°F) — Cycle	Initial Charging Current Less than 16A Voltage 14.4-14.9V	

Packaging

Battery Dimensions	Length	562mm
	Width	114mm
	Height	188mm
	Total Height	188mm
Box Dimensions	Length	577mm
	Width	129mm
	Height	248mm
Quantity Per Box		1 PC per box
Net weight Per Cell		28.5 kg±300g
Net weight Per Box		28.5kg
Gross Weight		29.1kg

Discharge Constant Current per Cell (Amperes at 77°F25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	228.8	176.0	132.4	88.0	61.6	52.8	33.0	22.6	15.1	10.14	8.38	4.40
1.65V	224.6	172.8	130.0	86.4	60.5	51.8	32.4	22.2	14.8	9.95	8.22	4.32
1.70V	220.5	169.6	127.6	84.8	59.4	50.9	31.8	21.8	14.5	9.77	8.07	4.24
1.75V	216.3	166.4	125.2	83.2	58.2	49.9	31.2	21.4	14.3	9.58	7.92	4.16
1.80V	208.0	160.0	120.4	80.0	56.0	48.0	30.0	20.6	13.7	9.21	7.61	4.00

Discharge Constant Power per Cell (Watts at 77°F 25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	440.4	338.8	254.9	169.4	118.6	101.6	63.5	43.5	29.0	19.5	16.1	8.5
1.65V	432.4	332.6	250.3	166.3	116.4	99.8	62.4	42.7	28.5	19.2	15.8	8.3
1.70V	424.4	326.5	245.7	163.2	114.3	97.9	61.2	42.0	28.0	18.8	15.5	8.2
1.75V	416.4	320.3	241.0	160.2	112.1	96.1	60.1	41.2	27.4	18.4	15.2	8.0
1.80V	400.4	308.0	231.7	154.0	107.8	92.4	57.8	39.6	26.4	17.7	14.7	7.7

Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice.

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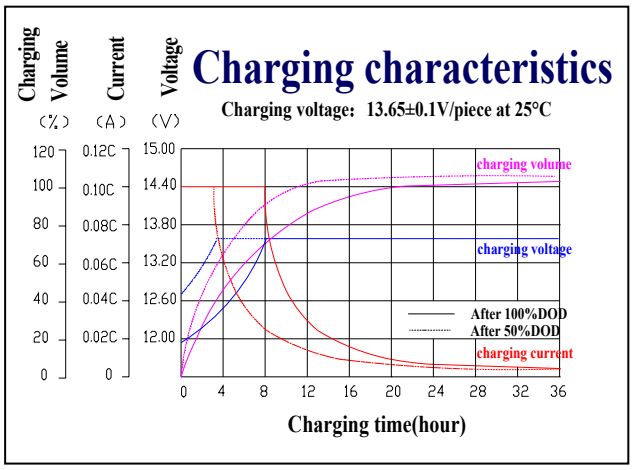
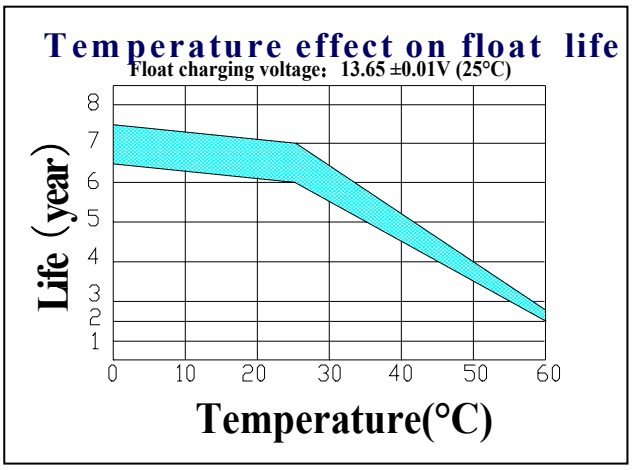
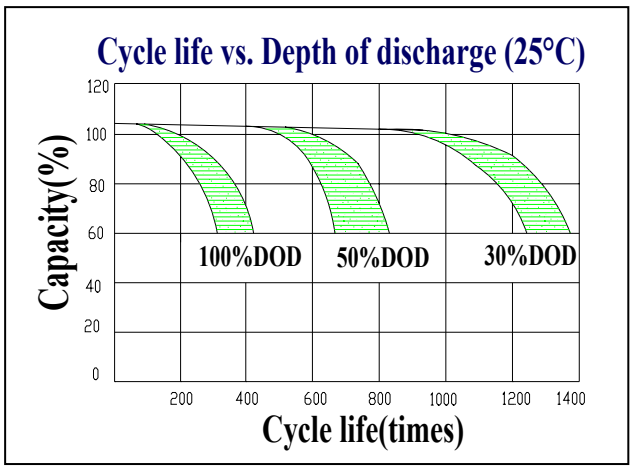
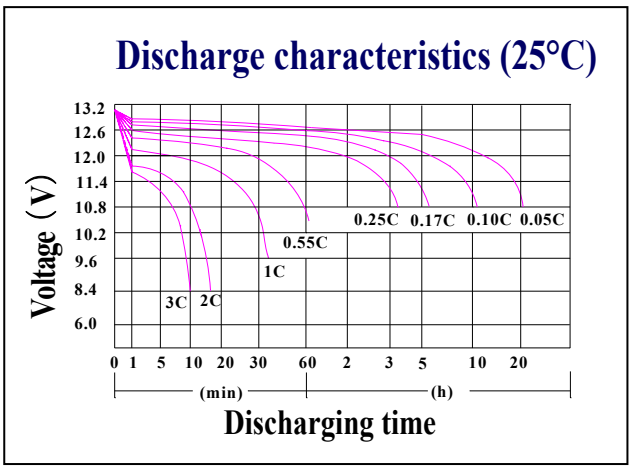
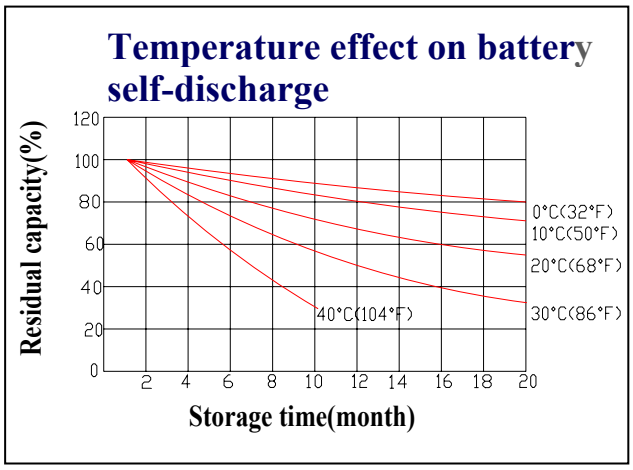
Performance Characteristics

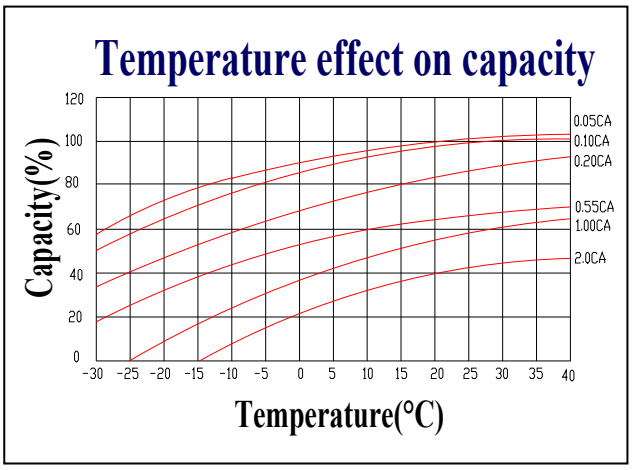












Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Si-Rubber	Copper	Fiberglass	GEL

For sales & service, please contact Battery Service Hub Ltd
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