

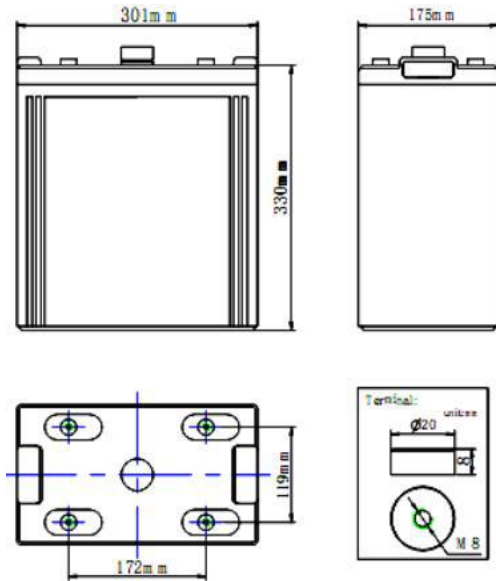


# ENERCON SOLAR

## Product Image



## Product Dimensions



## Characteristics

Nominal Voltage		2V
Nominal Capacity (10 hour rate)		582Ah
Capacity 25°C (77°F)	20 hour rate (31.8A)	618Ah
	5 hour rate (106.1A)	512.5Ah
	1 hour rate (330A)	312Ah
Internal Resistance	Full Charged Battery 25°C	≤0.27mΩ
Capacity affected by Temperature (10 hour)	40°C (104°F)	102%
	25°C (77°F)	100%
	0°C (32°F)	90%
Self-Discharge 25°C (77°F) Capacity	after 3 month storage	92%
	after 6 month storage	84%
	after 12 month storage	65%
Charge (Constant Voltage) 25°C (77°F)	Float	Initial Charging Current Less than 90A Voltage 2.23-2.27V
	Cycle	Initial Charging Current Less than 90A Voltage 2.33-2.37V

## Packaging

Battery Dimensions	Length	301mm
	Width	175mm
	Height	330mm
	Total Height	368mm
Box Dimensions	Length	316mm
	Width	189mm
	Height	425mm
Quantity Per Box		1 PC per box
Net weight Per Cell		38.0 kg±500g
Net weight Per Box		38.0kg
Gross Weight		39.0kg

### Discharge Constant Current (Amperes at 77°F/25°C)

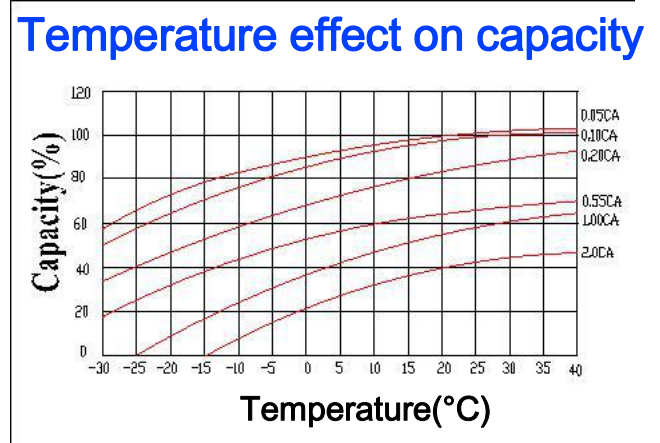
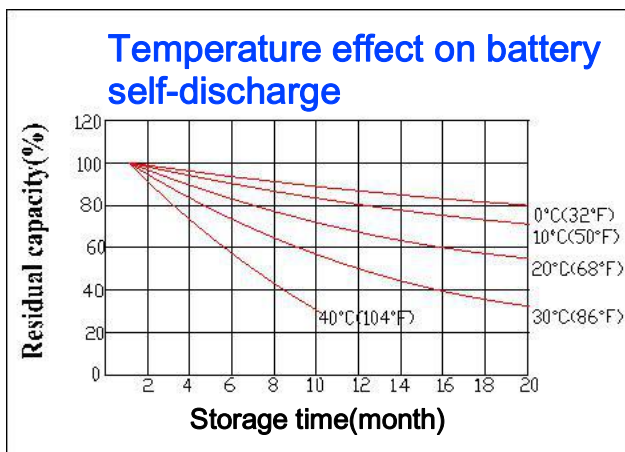
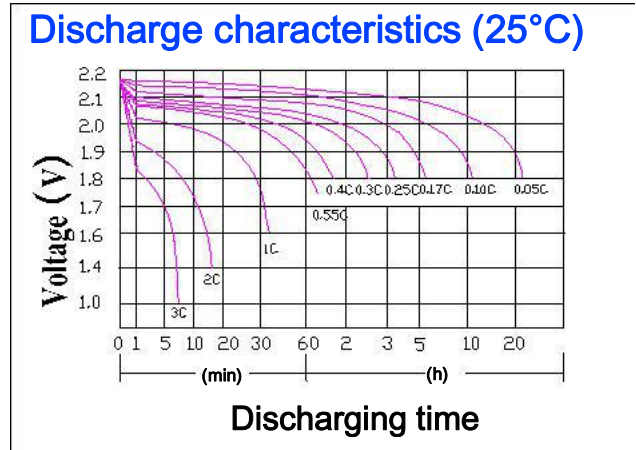
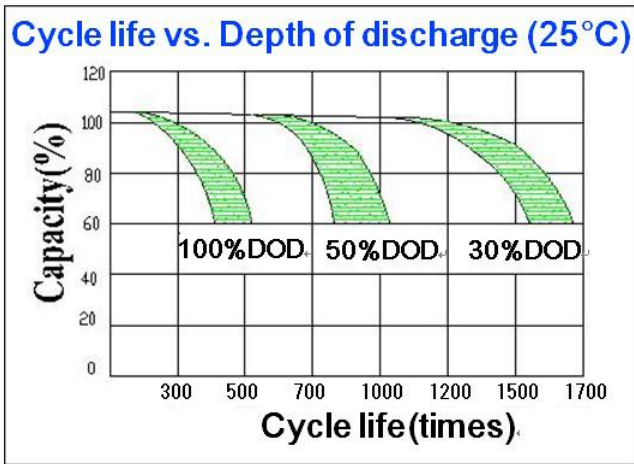
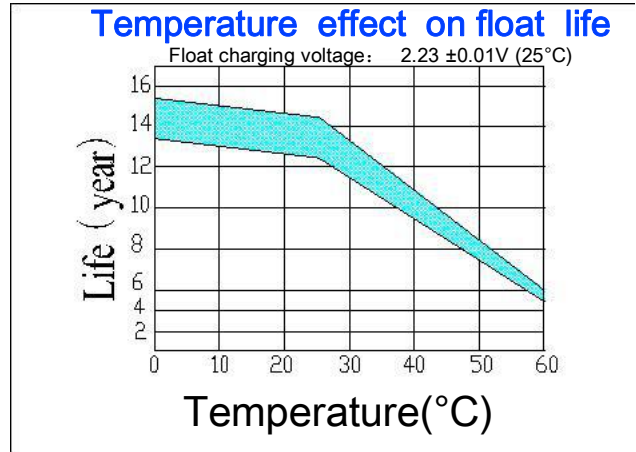
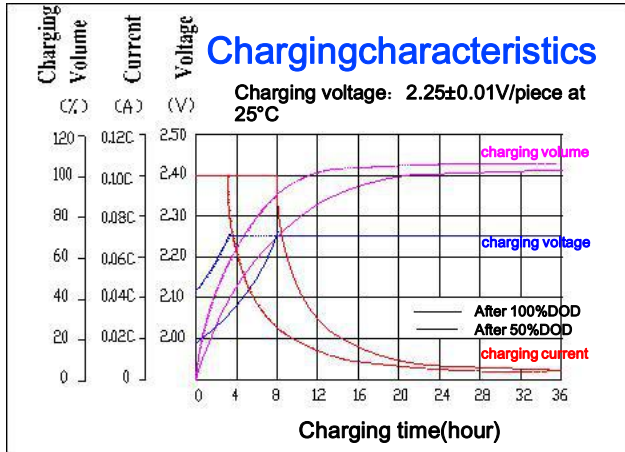
F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	1676	1082	898	594	442	330	257	165.0	112.2	73.9	66.0	35.0
1.65V	1646	1063	881	583	434	324	253	162.0	110.2	72.6	64.8	34.3
1.70V	1615	1043	865	572	426	318	248	159.0	108.1	71.2	63.6	33.7
1.75V	1585	1023	849	562	418	312	243	156.0	106.1	69.9	62.4	33.1
1.80V	1524	984	816	540	402	300	234	150.0	102.0	67.2	60.0	31.8

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

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
1.60V	3227	2084	1728	1143	851	635	495	317.6	216.0	142.3	127.1	67.3
1.65V	3168	2046	1696	1123	836	624	486	311.9	212.1	139.7	124.7	66.1
1.70V	3110	2008	1665	1102	820	612	477	306.1	208.1	137.1	122.4	64.9
1.75V	3051	1970	1634	1081	805	601	468	300.3	204.2	134.5	120.1	63.7
1.80V	2934	1894	1571	1040	774	578	450	288.8	196.4	129.4	115.5	61.2

**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. Contact C h s h n y for the latest information.

## 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