

OPzS2-490

Applications

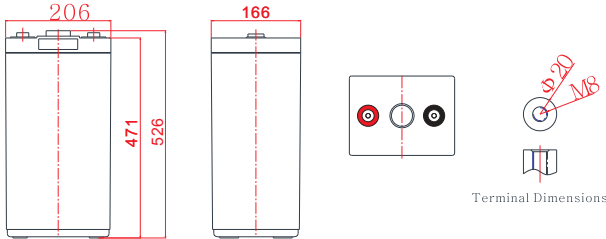
- > Solar / wind energy and other new energy storage
- > Power systems
- > Telecommunications system
- > UPS/EPS
- > Auto control system
- > Other general purpose

General Features

- > Tubular plate design to enhance battery performance
- > Tubular plate design makes long battery life
- > Relatively rich electrolyte, high temperature and low temperature performance is superior
- > Long cycle life, excellent deep cycle discharge ability
- > Excellent charge acceptance ability
- > Precision sealing technology



尺寸Dimension:206(L)×166(W)×471(H)×526(TH) Unit:mm



Specification

Nominal Voltage	2V	
Nominal Capacity	490Ah	
Design life	20 years	
Terminal	M8	
Approx. Weight	Approx 38.0kg (84.0lbs) Dry cell 26.2Kg	
Container Material	ABS	
Rated Capacity	490Ah	10Hour Rate (49.0A to 1.80V)
	357Ah	3Hour Rate (119A to 1.80V)
	263Ah	1Hour Rate (263A to 1.75V)
Internal resistance	Full charged at 25°C: 0.42 mΩ	
Max. Discharge Current	4750A(5S)	
Operating Temperature	Discharge: -20 ~50°C(-4~ 122°F)	
	Charge: -20 ~50°C(-4~ 122°F)	
	Storage: -20 ~50°C(-4~ 122°F)	
Charge current:	Max.98.0A ; Recom.49.0A	
Charge Method (25 °C)	Float Charge:2.23-2.27V,recom.2.25V(-3mV/ °C)	
	Equalize charge:2.30-2.35V,recom.2.35V(-4mV/ °C)	
	Cycle charge:2.40-2.50V,recom.2.40V(-5mV/ °C)	
Self discharge	3% of capacity declined per month at 25°C	

Constant Current Discharge Characteristics Unit: A (25°C, 77°F)

F.V/Time	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	598	418	286	178	129	88.7	63.6	53.1	31.0
1.65V	576	404	280	175	126	87.8	62.9	52.5	30.5
1.70V	543	388	271	167	125	86.4	62.6	52.2	30.2
1.75V	515	373	263	166	122	85.4	61.0	51.5	29.7
1.80V	453	341	251	160	119	83.0	59.6	50.0	29.3
1.85V	382	287	233	152	115	80.5	58.1	49.5	28.3

Constant Power Discharge Characteristics Unit: W (25°C, 77°F)

F.V/Time	15M	30M	1h	2h	3h	5h	8h	10h	20h
1.60V	1262	895	685	378	287	194	140	119	62.1
1.65V	1202	848	637	375	291	192	139	118	61.5
1.70V	1144	809	597	370	281	189	138	116	61.0
1.75V	1085	776	562	360	275	183	135	114	60.4
1.80V	1017	745	530	347	267	174	129	108	59.9
1.85V	951	716	521	334	254	170	125	103	58.4

