

# OPZV12-200(12V200AH/10HR)

## VRLA TUBULAR GEL BATTERY

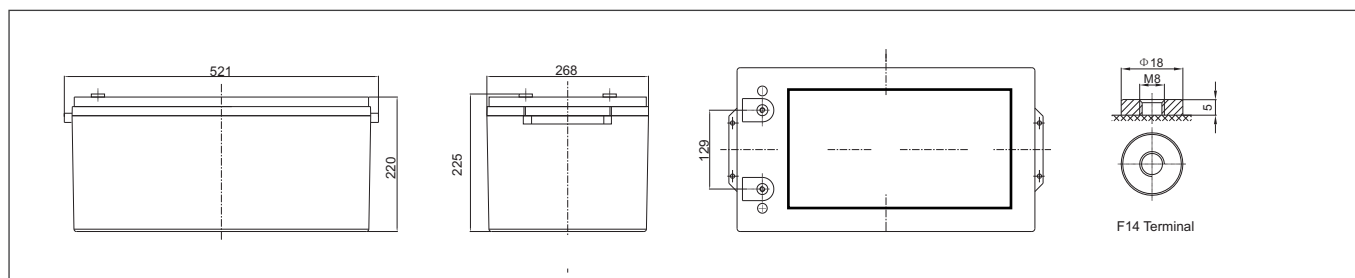
3D Nano gas-phase silica solid-state electrolyte;  
Tubular positive plate of high-pressure die-casting, denser grid and more corrosion-resistant;  
PE-SiO<sub>2</sub> Separator; Built-in acid filter; The internalization technology of one-time gel filling makes the product consistency better; Wide application range of ambient temperature, stable high and low temperature performance; Excellent performance of deep discharge cycle, and an ultra long design life.

### SPECIFICATIONS

Nominal Voltage (V)	12
Designed Floating Life(20°C)	20+ Years
Nominal Capacity (20°C)	200AH/C10(TO 1.8/CELL)
Dimensions	L521mm x W268mm x H225mm
Approx. Weight	66kg(145lbs)
Terminal Type	Female Copper Insert M8 (torque:10~12N.m)
Internal Resistance	Approx.5.5mOhm (fully charged @ 20°C)
Max. Charge Current	40 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 Construction

Component	Positive plate	Negative plate	Container	Safety valve	Terminal	Separator	Electrolyte
Raw material	Tubular Plate	Pure Lead	ABS(UL94-HB)	Rubber	Copper	PE-SiO <sub>2</sub>	Gel

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

E.V/Time	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	418	340	204	125	52.0	36.6	20.7	10.5
1.65V	393	321	196	123	51.6	36.2	20.6	10.4
1.70V	370	300	189	121	51.0	35.7	20.5	10.4
1.75V	345	280	182	119	50.0	35.0	20.3	10.3
1.80V	318	260	175	117	48.8	34.3	20.0	10.2

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

E.V/Time	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	730	590	386	276	255	138	98.8	71.3
1.65V	694	570	370	270	250	136	97.5	70.8
1.70V	658	552	356	264	245	133	96.2	70.2
1.75V	623	530	342	259	240	130	94.8	69.7
1.80V	588	502	328	254	235	127	93.8	69.1

Note: The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum.

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### CHARACTERISTICS

