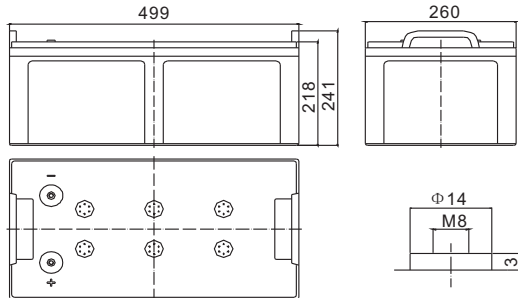


Standard Series LFP12220S 12V220Ah

FirstPower®

Dimension(mm)



T12
Terminal



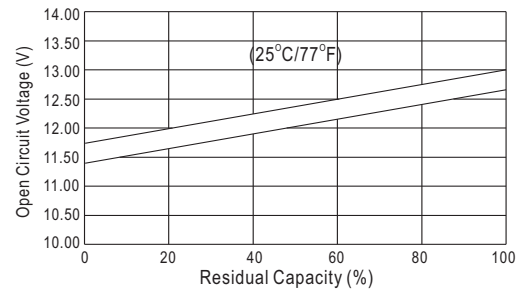
Specification

Nominal Voltage		12 V
Capacity(10HR, 25°C)		220 Ah
Dimension	Length	499mm (19.6inch)
	Width	260mm (10.2inch)
	Height	218mm (8.6inch)
	Total Height	241mm (9.5inch)
Approx. Weight		64.5kg (142.2lbs)

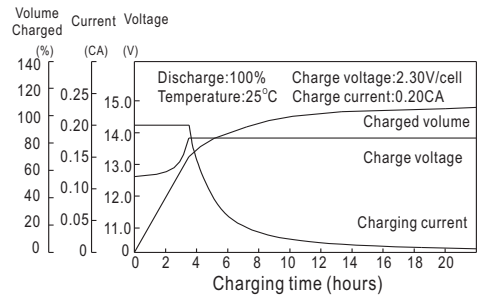
Characteristics

Capacity 20°C (68□) To 1.70V/Cell	20 hour rate	232Ah
	10 hour rate	220Ah
	5 hour rate	198Ah
	1 hour rate	133Ah
	15 min rate	87Ah
Internal resistance(Fully charged, 25°C)		Approx. 2.8m Ω
Capacity affected by temperature (10HR)	40°C	102%
	25°C	100%
	0°C	85%
	-15°C	65%
Self-discharge (25°C)	3 month	Remaining Capacity: 91%
	6 month	Remaining Capacity: 82%
	12 month	Remaining Capacity: 65%
Nominal operating temperature		25°C ±3°C(77°F ±5°F)
Operating temperature range		-15°C~50°C(5°F~122°F)
Float charging voltage(25°C)		13.50 to 13.80V
Cyclic charging voltage(25°C)		14.50 to 14.90V
Maximum charging current		66A
Terminal material		Copper
Maximum discharge current		1600A(5 Sec.)

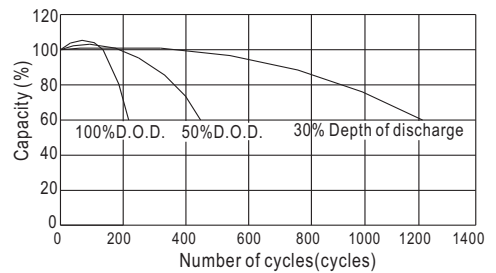
The Relationship for Open Circuit Voltage and Residual Capacity (25°C)



Charging Characteristics(25°C)



Cycle Life(25°C)



Constant Current Discharge Characteristics (A, 25°C)

F.V/TIME	5min	10min	15min	30min	60min	3h	5h	10h	20h
9.60V	693	462	363	229	139	56.9	40.2	22.3	11.7
10.2V	658	439	348	220	133	56.1	39.6	22.1	11.6
10.8V	619	413	331	209	126	55.0	38.8	22.0	11.6

Constant Power Discharge Characteristics (Watt, 25°C)

5min	10min	15min	30min	60min	3h	5h	10h	20h
7277	4990	3986	2567	1580	670	475	267	141
6913	4740	3826	2464	1517	660	468	264	139
6498	4456	3635	2341	1441	647	459	264	139