

Deep Cycle Flooded Batteries (FFP Series)

General Characteristics

- Improved patented grid design
- Specially developed alloy for corrosion resistance
- Special active substance suitable for long-lasting use
- Excellent charge acceptance based on minimum internal resistance
- Low water loss during extended use

Applications

- Golf Carts
- Cleaning Machines
- Lifting Platforms
- Industrial Lifting Vehicles
- Ground Support Components
- Recreational Trains



6V 225Ah FFP Battery (C20)

Design Number	YFFP6-225-SR
Length (mm)	263,00
Width (mm)	181,00
Height (mm)	253-281
H ₁ -H ₂	
C20 (Ah)	225,00
C5 (Ah)	185,00
Weight ± %3 (kg)	30,50
Terminal Type	SR



6V 240Ah FFP Battery (C20)

Design Number	YFFP6-240-SR
Length (mm)	263,00
Width (mm)	181,00
Height (mm)	253-281
H ₁ -H ₂	
C20 (Ah)	240,00
C5 (Ah)	197,00
Weight ± %3 (kg)	31,80
Terminal Type	SR



6V 330Ah FFP Battery (C20)

Design Number	YFFP6-330-R
Length (mm)	311,00
Width (mm)	181,00
Height (mm)	336-354
H ₁ -H ₂	
C20 (Ah)	330,00
C5 (Ah)	270,00
Weight ± %3 (kg)	47,60
Terminal Type	R



6V 330Ah FFP Battery (C20)

Design Number	YFFP6-330-SAD
Length (mm)	311,00
Width (mm)	181,00
Height (mm)	336-358
H ₁ -H ₂	
C20 (Ah)	330,00
C5 (Ah)	270,00
Weight ± %3 (kg)	47,60
Terminal Type	SAD



6V 360Ah FFP Battery (C20)

Design Number	YFFP6-360-R
Length (mm)	311,00
Width (mm)	181,00
Height (mm)	336-354
H ₁ -H ₂	
C20 (Ah)	360,00
C5 (Ah)	295,00
Weight ± %3 (kg)	50,00
Terminal Type	R



6V 360Ah FFP Battery (C20)

Design Number	YFFP6-360-SAD
Length (mm)	311,00
Width (mm)	181,00
Height (mm)	336-358
H ₁ -H ₂	
C20 (Ah)	360,00
C5 (Ah)	295,00
Weight ± %3 (kg)	50,00
Terminal Type	SAD



8V 170Ah FFP Battery (C20)

Design Number	YFFP8-170-R
Length (mm)	261,00
Width (mm)	181,00
Height (mm)	252-274
H ₁ -H ₂	
C20 (Ah)	170,00
C5 (Ah)	145,00
Weight ± %3 (kg)	31,80
Terminal Type	R



8V 170Ah FFP Battery (C20)

Design Number	YFFP8-170-SAD
Length (mm)	261,00
Width (mm)	181,00
Height (mm)	252-274
H ₁ -H ₂	
C20 (Ah)	170,00
C5 (Ah)	145,00
Weight ± %3 (kg)	31,80
Terminal Type	SAD



8V 170Ah FFP Battery (C20)

Design Number	YFFP8-170-SAD
Length (mm)	261,00
Width (mm)	181,00
Height (mm)	252-274
H ₁ -H ₂	
C20 (Ah)	170,00
C5 (Ah)	145,00
Weight ± %3 (kg)	31,80
Terminal Type	SAD - R



12V 150Ah FFP Battery (C5)

Design Number	YFFP12-150-R
Length (mm)	343,00
Width (mm)	172,00
Height (mm)	262-283
H ₁ -H ₂	
C20 (Ah)	150,00
C5 (Ah)	120,00
Weight ± %3 (kg)	43,00
Terminal Type	R



12V 150Ah FFP Battery (C5)

Design Number	YFFP12-150-SAD
Length (mm)	343,00
Width (mm)	172,00
Height (mm)	262-287
H ₁ -H ₂	
C20 (Ah)	150,00
C5 (Ah)	120,00
Weight ± %3 (kg)	43,00
Terminal Type	SAD



12V 150Ah FFP Battery (C5)

Design Number	YFFP12-150-S
Length (mm)	332,00
Width (mm)	183,00
Height (mm)	246-276
H ₁ -H ₂	
C20 (Ah)	150,00
C5 (Ah)	120,00
Weight ± %3 (kg)	43,00
Terminal Type	S



Terminal Types

• R (Round Type)

Terminal Screw Height mm (Inches)
18±0,3 (0,709±0,01)
Torque Value Nm (kgf*m)
13±1 (1,326±0,101)

Round

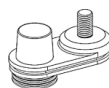


• SR (Screw+Round Type)

Terminal Screw Height mm (Inches)
14,8±0,3 (0,582±0,01)
Torque Value Nm (kgf*m)
13±1 (1,326±0,101)

Screw

5/16"

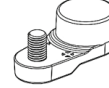


• SAD (Screw Additive Type)

Terminal Screw Height mm (Inches)
13±0,3 (0,512±0,01)
Torque Value Nm (kgf*m)
13±1 (1,326±0,101)

Screw

5/16"

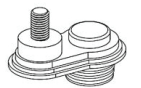


• S (Screw Type)

Terminal Screw Height mm (Inches)
14,9±0,3 (0,586±0,01)
Torque Value Nm (kgf*m)
13±1 (1,326±0,101)

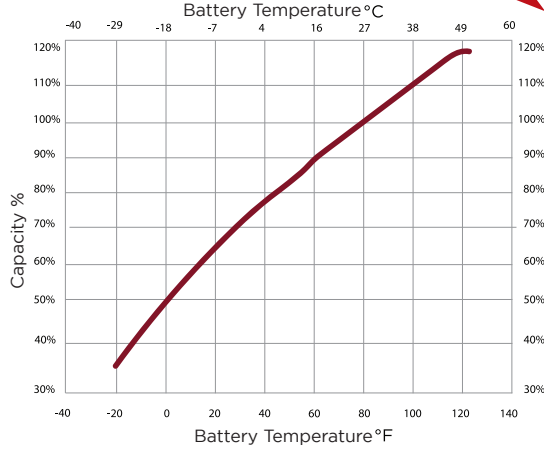
Screw

5/16"

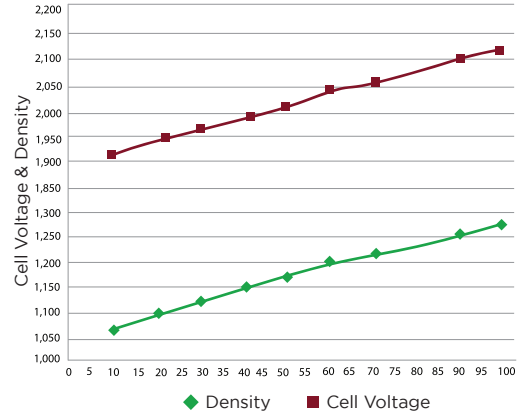


Deep Cycle Flooded Batteries (FFP Series)

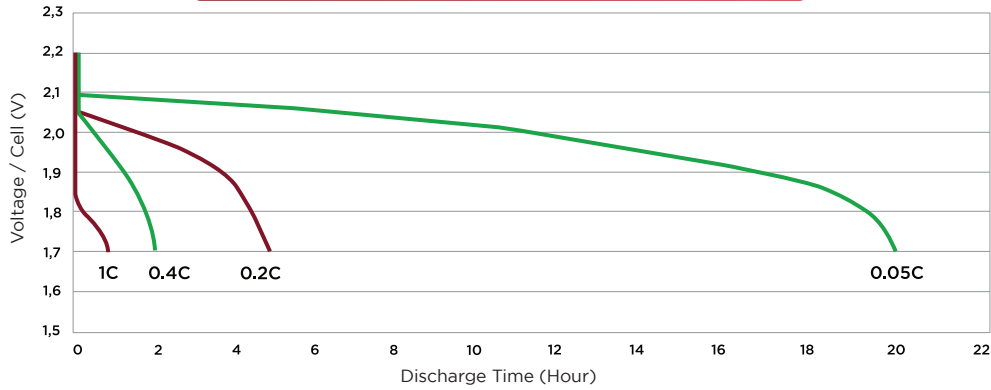
Battery Capacity % vs. Temperature Chart



Charge Status vs. Cell Voltage Density Chart



Discharge Current vs. Discharge Time Chart



Charging Parameters

Electrolyte Type	Aqueous (Diluted Sulfuric Acid)
Cell Discharge Cut-off Voltage	>1,7V
Storage Period	6 Months @ 25° C
Self-Discharge	5-15%/Month (Depends on storage temperature.)
Operating Temperature	-20°C / +45°C
Float Charge Voltage/Cell (VDC @ 25°C)	2,25 ±%1 V
Cycle Charge Voltage/Cell (VDC @ 25°C)	2,47 ±%1 V
Equalize Charge Voltage/Cell (VDC @ 25°C)	2,55 ±%1 V

- Must be charged in ventilated places.
- Must never be charged in sealed place closed to air.
- Charge voltage values must be corrected with temperature coefficients.

At each temperature change of 1°C, 0.005 volt / cell is removed above 25°C, and 0.005 volt / cell is added below 25°C.

