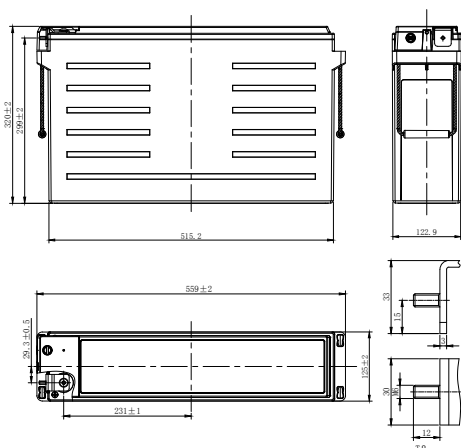


PURE LEAD CARBON(LONG CYCLE LIFE)

PLC+C 180FT (12V180Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Capacity (25°C)	C ₂₀ 1.80V/cell	180Ah
Dimension	Length	559mm (22.0inches)
	Width	125mm (4.92inches)
	Container Height	320mm (12.6inches)
	Total Height	320mm (12.6inches)
Approx Weight	57.6kg (127.0lbs)	
Terminal	T8(M6)	
Container Material	PC-ABS (UL94 V-0)	
Short-circuit current	3400A	
Internal Resistance (25°C)	Approx 3.5 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-40~65°C (-40~149°F)
	Charge	-20~54°C (-4~129°F)
	Storage	-20~50°C (-4~122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current (25°C)	0.3C	
Charge voltage (25°C)	Standby Use	Equalization Use
	2.27±0.02V/cell	2.35-2.40V/cell
Temp. Coefficient	-3mV/cell/°C	-4mV/cell/°C
	40°C (104°F)	103%
Effect of temp. to Capacity	25°C (77°F)	100%
	0°C (32°F)	86%
	Self Discharge	PLC+C series batteries can be stored up to 24 months at 25°C(77°F), For higher temperatures the time interval will be shorter.Battery needs to be given a freshening charge when the OCV approach 2.10V/cell or when the maximum storage time is reached, whichever occurs first.

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)													
F.V/Time	30min	1h	2h	3h	4h	5h	8h	10h	20h	24h	48h	72h	100h
1.85V/cell	170.1	110.0	65.5	46.9	36.8	30.5	20.5	16.9	8.81	7.76	4.08	2.80	1.93
1.80V/cell	176.6	112.9	66.5	47.6	37.4	31.1	20.8	17.0	9.00	7.92	4.17	2.86	1.97
1.75V/cell	184.3	115.5	67.2	48.2	37.9	31.3	20.9	17.1	9.05	8.04	4.23	2.90	2.00
1.70V/cell	190.0	117.5	68.0	48.7	38.1	31.5	21.0	17.2	9.08	/	/	/	/
1.65V/cell	196.1	119.7	68.8	49.0	38.5	31.7	21.1	17.3	9.13	/	/	/	/
1.60V/cell	202.1	121.6	69.8	49.5	38.8	32.0	21.2	17.5	9.16	/	/	/	/
Constant Power Discharge (Watts/cell) at 25°C (77°F)													
F.V/Time	30min	1h	2h	3h	4h	5h	8h	10h	20h	24h	48h	72h	100h
1.85V/cell	334.1	218.1	130.8	93.9	74.1	61.6	41.6	35.6	18.0	15.9	8.40	5.80	3.97
1.80V/cell	344.3	222.6	132.1	95.1	75.0	62.4	42.0	35.7	18.3	16.1	8.50	5.80	4.02
1.75V/cell	356.2	226.3	133.1	95.9	75.5	62.7	42.1	35.8	18.3	16.3	8.60	5.90	4.05
1.70V/cell	363.9	229.1	133.9	96.3	75.9	63.0	42.2	35.4	18.3	/	/	/	/
1.65V/cell	372.9	232.3	135.1	96.7	76.2	63.2	42.3	36.0	18.4	/	/	/	/
1.60V/cell	380.6	233.8	135.6	97.0	76.4	63.5	42.6	36.2	18.4	/	/	/	/

PURE LEAD CARBON(LONG CYCLE LIFE)

PLC+C 180FT (12V180Ah)



APPLICATIONS

- Outdoor cabinet
- New energy storage
- High voltage power station
- Mobile Power Supply for Vehicles
- Base station with unstable power grid

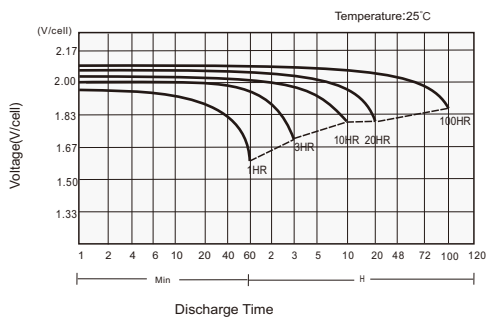
GENERAL FEATURES

- Low self-discharging rate
- Excellent Fast charging acceptance: 1 hour to 90% SoC
- Excellent high rate discharge performance
- Advanced lead acid batteries: Pure Lead Thin Plate Carbon Technology

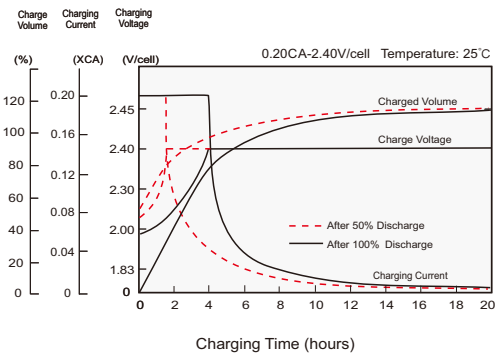
STANDARDS

- Compliance with IEC 60896 standards
- Manufactured in Leoch®IATF16949, ISO 45001,ISO 9001 and ISO 14001 certified production facilities

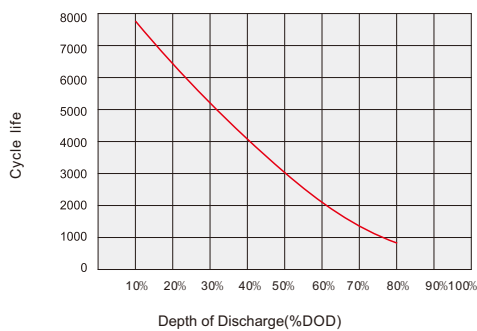
Discharge Characteristics



Charging Characteristics



Cycle Life vs. Depth of Discharge



Self Discharge Characteristics

