

PR12-200FC



Lead -Carbon

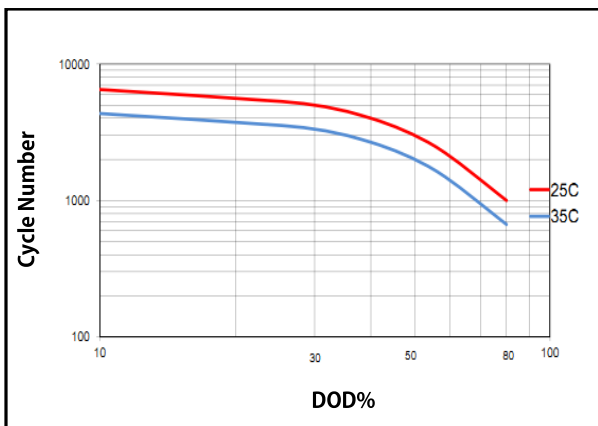
Valve Regulated Lead Acid Battery
With DCS and Lead -Carbon Technology



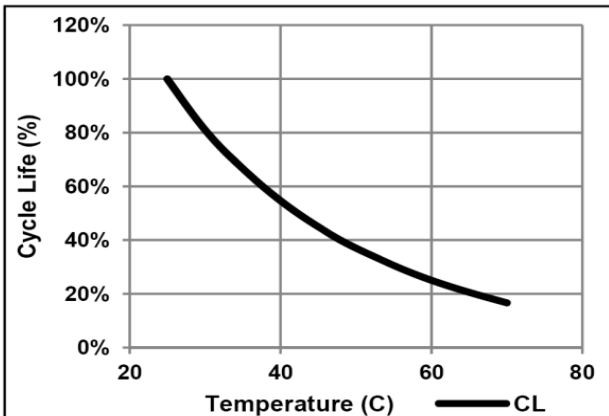
Applications:

- Unstable Grid
- Renewable Energy (Solar, Wind, etc.)
- Hybrid Systems
- Energy Storage
- Deep Cycle Mobility Applications

Industry Leading Cyclic Life



Cycle life vs. Temperature



Features and Benefits:

Long life cycle service design:

- Proven DCS plate technology
- Maximum cycle life for deep cycle & hybrid applications
- Good PSoc cyclic performance

True front access design:

- True direct connect terminal for reliability
- Ohmic Ring for accurate testing
- Standard true front access gas collection system for sealed cabinet installation,
- Connection versatility

Maximum performance:

- Superior output due to direct terminal connection,
- Low internal resistance.

High charging acceptance ability

- Up to 0.6C maximum charging current, 3 times better than normal VRLA batteries. Maximum shorter recharge time, suitable for rapid recharge, increase reliability for those frequently discharge applications.

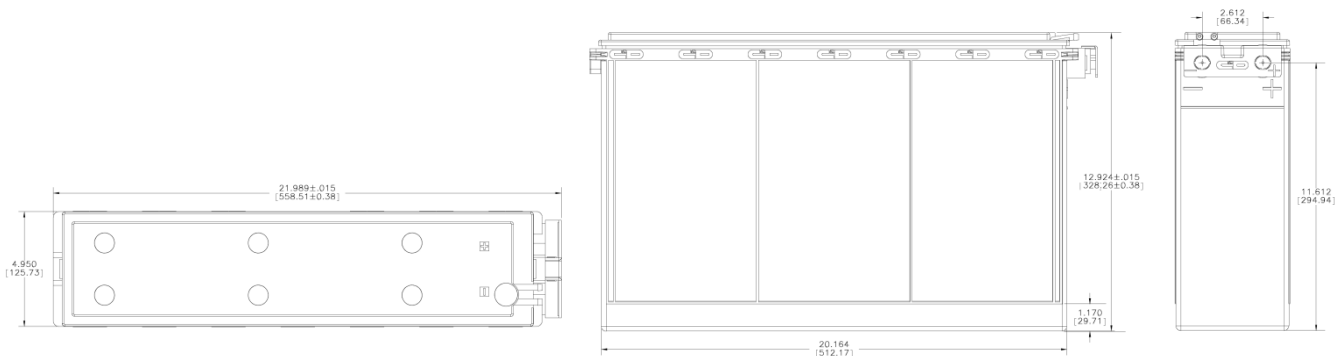
Compliant to major global specifications

- BS 6290: Part 4:1997
- IEC 60896-21/22
- Telcordia SR-4228
- Bellcore GR-63-CORE & GR-1089-CORE
- UL 94 V-0 Flame Retardant Polypropylene

Operational Specifications:

Operating Temperature Range with temperature compensation	Discharge: -40°C (-40°F) to + 71°C (160°F) Charge: -23°C (-10°F) to + 60°C (140°F)
Maximum Charging Current Limit	0.6 C ₁₀
Float Charging Voltage	13.5 to 13.62V for 12V block @ 25°C (77°F)
Self Discharge	Battery can be stored up to 6 months at 25°C (77°F) before a freshening charge is required. Batteries stored at temperatures greater than 25°C (77°F) will require recharge sooner than batteries stored at lower temperatures. See operational manual 41-7272, Self-Discharge and Inventory Control for details.
Equalize charge & cycle service voltage	14.1V for 12V block @ 25°C (77°F)
Terminal	Threaded copper alloy insert terminal to accept: M8 bolt
Terminal Hardware Initial Torque	18 N-m (160 in.-lbs)
Container and Cover	PP (UL94 V-0)

Dimensions:



*All dimensions in inches and (millimeters). All dimensions are for reference only. Contact a PROFLEX Representative for complete dimensional information.

Constant Power Discharge Table - Watts Per Cell @ 25°C(77°F)

EPV	1hr	2hr	3hr	4hr	5hr	6hr	7hr	8hr
1.85	189.9	116.2	84.7	67.7	56.8	49.3	43.7	39.4
1.80	206.0	121.9	89.4	70.6	59.2	51.3	45.4	40.8
1.75	214.0	124.2	90.2	71.8	60.2	52.1	46.1	41.3

Constant Current Discharge Table – Amps @ 25°C(77°F)

EPV	1hr	2 hr	3 hr	5 hr	8 hr	10 hr	12 hr	20 hr	24 hr	36 hr	48 hr	72 hr	100 hr	120 hr
1.85	101.00	61.70	44.80	30.00	20.05	16.53	14.12	9.08	7.76	5.25	4.00	2.71	1.97	1.65
1.80	111.00	65.66	47.35	31.34	20.90	17.24	14.71	9.45	8.08	5.47	4.17	2.83	2.05	1.72
1.75	115.59	67.20	48.20	31.72	21.18	17.45	14.91	9.59	8.21	5.56	4.23	2.87	2.09	1.75

* All data shall be changed without prior notice, PROFLEX reserves the right to explain and update the information contained into here.