Discover®
Innovative Battery Solutions

DRY CELL

SOLAR/ENERGY STORAGE

Discover® DRY CELL Solar/Energy Storage batteries outperform traditional Flooded, AGM, and GEL deep-cycle batteries and are a resilient solution for renewable energy and stationary storage applications.

DRY CELL Solar/Energy Storage batteries maintain a stable operating voltage and deliver reliable runtime over their operational life, and are tolerant of a wide ambient temperature range and Partial State of Charge (PSOC) operation.

DRY CELL Solar/Energy Storage batteries are safe, easy to use, maintenance-free, and the economical choice for solar and renewable energy storage.

Part No.	Ind Ref	Volts	C120	C20	C10	Length	Width	Height*	Weight	Layout / Polarity	Terminal Type
			1.75 VPC 30°C			(mm)			(kg)		
DRY CELL SOLAR/ENERGY STORAGE											
6VRE-1500FD	GC6	6	247	225	205	260	180	254	30	2	M8
6VRE-2700FD	903-L16	6	449	408	378	295	180	383	53	2	M8
12VRE-1400FD	27	12	119	110	98	308	172	212	29	1	M8
12VRE-1900FD	31T	12	162	148	135	327	180	254	40	1	M8
12VRE-2800FD	4D	12	232	210	192	517	225	222.	59	4	AT
12VRE-3100FD	921-185	12	257	240	215	386	178	352	62	1	M8
12VRE-3900FD	8D	12	321	300	275	522	275	222	78	4	AT

* Height refers to the distance from the bottom to the top of the case, and does not include the terminals.

ENHANCED RUN TIME

EXTENDED SERVICE LIFE

RESILIENCE

EXTREME TEMPERATURES

RELIABLE, SAFE, CERTIFIED

Discover®
Innovative Battery Solutions

DRY CELL

SOLAR/ENERGY STORAGE

ENHANCED RUN TIME

- High Amp Hour Capacity
- High Operational Voltage Over Lifetime
- 50% DoD to 2.05 VPC

EXTENDED SERVICE LIFE

- Long Life Superior to Flooded Lead-Acid / GEL / AGM Deep Cycle Batteries
- 700+ Cycles 60% DoD (IEC 896-2 Stationary Lead-Acid)
- 1,400+ Cycles 50% DoD (BCIS-06 Deep Cycle Lead-Acid)

RESILIENCE

- Partial Stage of Charge Operation Superior to AGM
- Intense Duty Cycling Superior to GEL/AGM
- Over-Charge / Discharge Resilience Superior to AGM

EXTREME TEMPERATURES

- High Temperature Life Superior to AGM
- Low Temperature Operation Superior to Flooded Lead-Acid / GEL / AGM Batteries

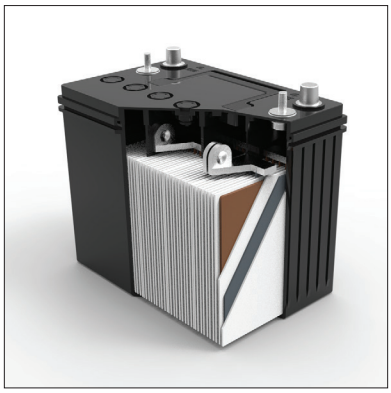
RELIABLE, SAFE, CERTIFIED

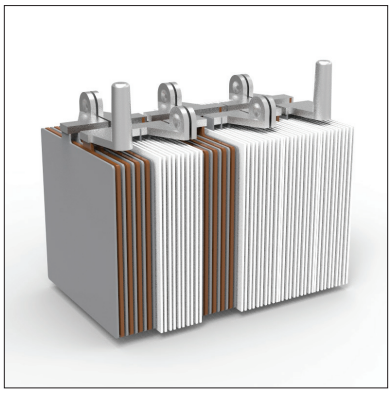
- Valve Regulated Lead-Acid Dry Cell
- Maintenance-free
- Nonspillable. No-gas
- Safe for Environmentally Sensitive Areas

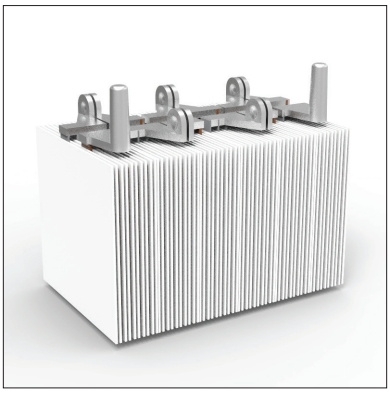
PRODUCT FEATURES

DRY CELL

ENHANCED ALLOYS	CARBON BOOST	AUTOMATED THROUGH-THE-PARTITION WELD *	POLYPROPYLENE CASE *	HYDRO POLYMER
Thick Plate Construction with Graphite Enhanced Plate Alloys Deliver Maximum Runtime Over Operational Life.	Carbon Additives increase Duty Cycle Performance, Battery Charge Acceptance and Partial State of Charge operation.	Improved Product Consistency and Quality, Less Wasted Lead than Manual Welding Process.	High Heat Resistance and Durability, Lighter Weight.	Organic Capillary Separator Technology Saturated with Hydro Polymer Electrolytes Delivers Extra Electrolyte Volume.
		Supports High Current Loads and Lowers Internal Resistance.	Pressure Relief Valves with Low Open / Close Tolerance Reduces Water Loss and Extends Cycle Life.	Resists Dry-Out and Prevents Thermal Runaway.
			Integrated Flame Arrestors Prevent Fire and Explosion.	Maintains Performance Characteristics Over Operational Life.
				Absorbed Glass Mat Dry Cell Technology, No Free-Flowing of Electrolyte.







*** KEY MODELS**