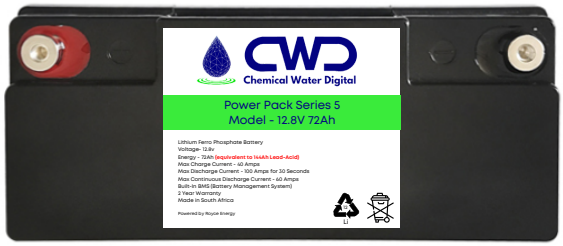
Chemical Water Digital



DATASHEET

Power Pack
Series 5

Model - 12.8V 72Ah

Lithium Ferro Phosphate Battery

Overview

CWD **Power Pack Series 5** is a 72Ah battery that incorporates Lithium Ferro Phosphate technology and is proudly manufactured in the Republic of South Africa. This 72Ah battery is equivalent and a direct replacement to a 144Ah lead-acid battery.

Power Pack Series 5 is capable of charging and discharging at high speeds compared to other types of batteries.

Power Pack Series 5 is rechargeable and has several distinctive features, including:

- Better power density
- Low discharge rate
- Flat discharge curve
- Less heating
- Higher number of charge cycles
- Increased safety

Power Pack Series 5 does not heat up easily and are relatively cooler than other batteries. The chemistry of the battery saves it from thermal runaway, and hence it is considered to be safe for home use.

Power Pack Series 5 batteries are also used as replacements for costly lead-acid batteries. They are well suited for applications that require high-load currents and endurance.

Power Pack Series 5 are easy to store and carry due to their light weight and ability to provide huge amounts of energy.

Power Pack Series 5 has a Battery Management System (BMS) to protect and prolong the battery.

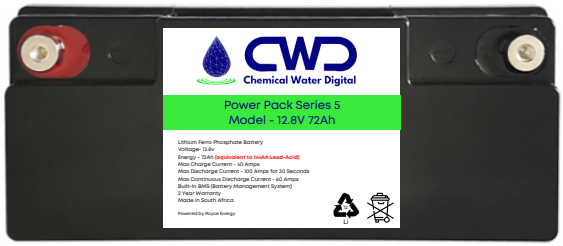
Benefits

- 100% Capacity Available
- Minimum 2000 Cycles
- 100% Recyclable
- 2 Year Warranty

Description	Specification		
Capacitiy in Ah	72Ah		
Nominal Voltage	12.8v		
Maximum Continuous Discharge Current	60 Amps		
Peak Discharge Current (30 sec)	100 Amps		
Maximum Continuous Charge Current	40 Amps		
Short circuit protection	Yes		
Over Voltage Protection	Yes		
Under Voltage Protection	Yes		
Over Current protection	Yes		
Charge Temperature	0°C – 45°C		
Discharge Temperature	-20°C – 45°C		
Weight	12.2kg		
Number of Cycles (minimum)	2000		
Maximum in Series	2		
Maximum in Parallel	8		
Expected Life	5 Years Minimum		
Warranty	2 Years		
Dimensions(mm)	L	W	H
	328	172	220

Power Pack Series 5 NOT affected by Load-Shedding.

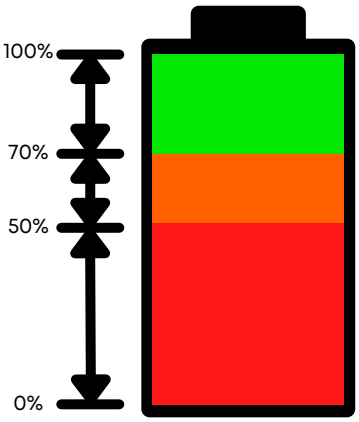
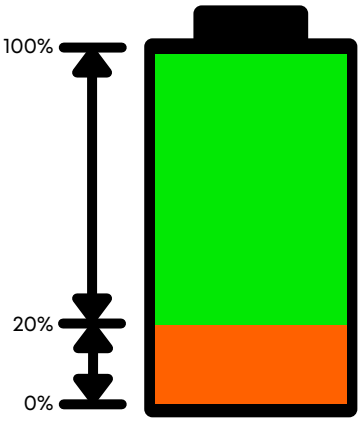
Chemical Water Digital



Power Pack
Series

Lead Acid vs Lithium Ferro Phosphate Comparison Sheet

Lead Acid vs Lithium Ferro Phosphate

Lead Acid	Lithium Ferro Phosphate
	
1. 50% capacity available 2. 200 cycles 3. Damaged with load shedding 4. Contains Liquid 5. Warranty is not common	1. 100% capacity available 2. 2000 cycles 3. Not affected by load shedding 4. Does not contain liquid. 5. 2 year warranty