



Power Start

12v Lithium-Ion Starter Battery



PowerTech
systems

Leightweight - High Power - Lithium-Ion starter battery

- **High lifespan: thousands of cycles** (see chart)
- **Deep discharge** allowed up to 100 %
- Ultra safe **Lithium Iron Phosphate** chemistry (no thermal run-away, no fire or explosion risks)
- Up to **80 % lighter** and **70% smaller** than conventional Lead-acid battery.
- **Embedded BMS** (Battery Management System) : **improve lifespan and secure the battery**
- No **Lead**, no **heavy metal**, no **toxic element**
- Calendar life > **10 years**
- Excellent **temperature** robustness (-20 °C up to +60 °C)
- **Constant power** during discharge (very low internal resistance)
- **Very low Peukert's losses** (energy efficiency >96 %)
- **Very low self discharge** (<5 % per month)
- **No memory effect**
- **Certification : CE, RoHS**

Technical Specifications

		PS 2200	PS 5001	PS 5002	PS 6100	PS9000	PS16000
Main Specs	Nominal voltage	12.8V					
	CCA (Cold Cranking Amp)	130A	280A	300A	350A	450A	600A
	Maximum Engine Size	800 cm ³	1300 cm ³	1500 cm ³	2000 cm ³	3000 cm ³	6000 cm ³
	Lenght (mm)	113mm	150mm	135mm	175mm	166mm	181mm
	Width (mm)	70mm	87mm	75mm	87mm	125mm	77mm
	Height (mm)	85mm	93mm	139mm	130mm	173mm	167mm
	Weight	490g	950g	990g	1100g	1750g	2840g
	Self discharge	< 5% per month					
	Charge mode	Constant Charge / Constant Voltage					
	Panel State of Charge inidicator	Yes					No
Charge	Charge voltage	14.4V ± 0.1V (Automatic current reduction by BMS)					
	BMS Cut-Off voltage	14.6V ± 0.1V					
	Standard charge current	2 A	5A	5A	6A	9A	16A
	Maximum continuous charge	6 A	15A	15A	25A	30A	40A
Discharge	Max Pulse current (5s)	130 A	280A	300A	350A	450A	600A
	Max continuous discharge current	55A	100A	125A	150A	225A	400A
	BMS Cut-Off voltage	8.0V (cut-off is triggered after start attempt)					
Environment	Charge temperature range	0°C à 45°C @60±25% relative humidity					
	Discharge temperature range	-20°C à 60°C @60±25% relative humidity					
	Storage temperature	0°C à 40°C @60±25% relative humidity					
	IP protection level	IP 56					



APPLICATIONS

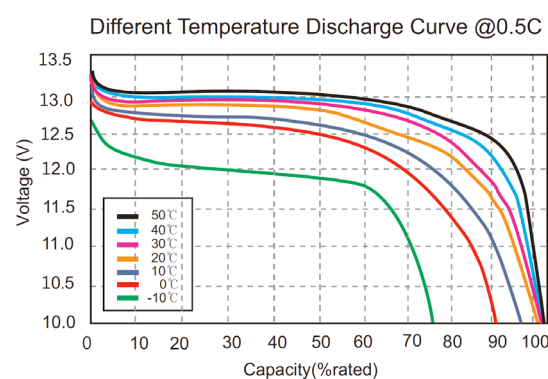
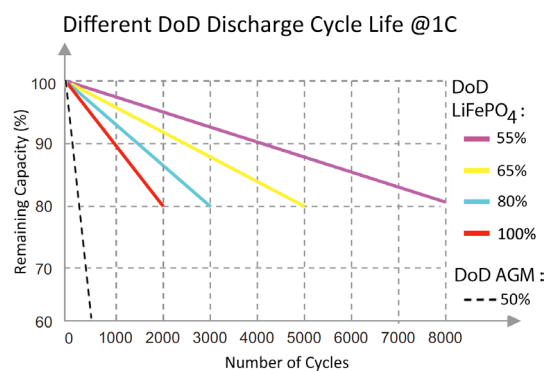
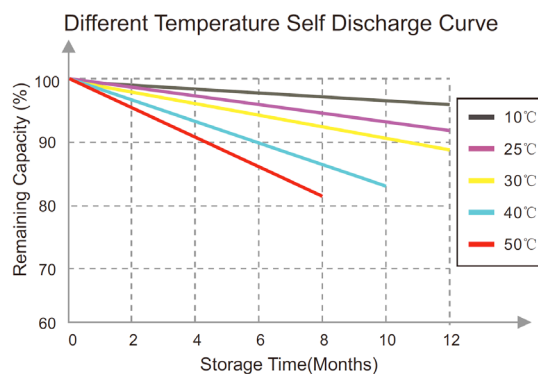
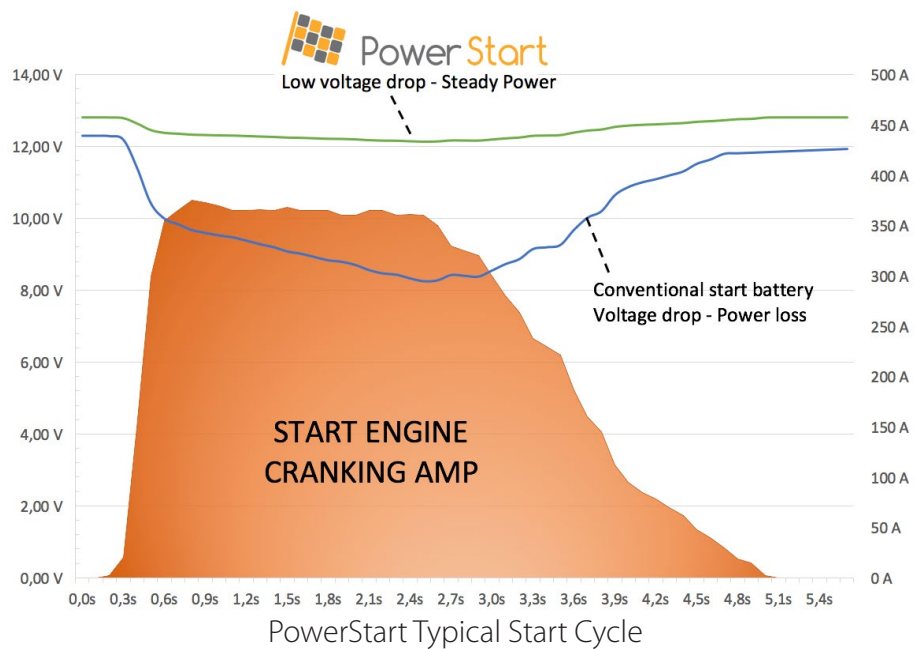
- **SLI / Starter batteries**
- **Very High Power applications**
- **Motorbike, scooters**
- **Quads**
- **Jet-ski**
- **Snowmobile**
- **Microlight, LSA**
- **Airplane starter batteries**
- ...



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Charts and curves



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