



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 6100	PS9000	PS16000
Main Specs	Nominal voltage	12.8V		
	CCA (Cold Cranking Amp)	350A	450A	600A
	Maximum Engine Size	2000 cm ³	3000 cm ³	6000 cm ³
	Lenght (mm)	175mm	166mm	181mm
	Width (mm)	87mm	125mm	77mm
	Height (mm)	130mm	173mm	167mm
	Weight	1100g	1750g	2310g
	Self discharge	< 5% per month		
Charge mode	Constant Charge / Constant Voltage			
Panel State of Charge indicator	Yes	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	6A	9A	16A
	Maximum continuous charge	25A	30A	50A
Discharge	Max Pulse current (5s)	350A	450A	600A
	Max continuous discharge current	150A	200A	300A
	BMS Cut-Off voltage	8.0V (cut-off is triggered after start attempt)		

APPLICATIONS

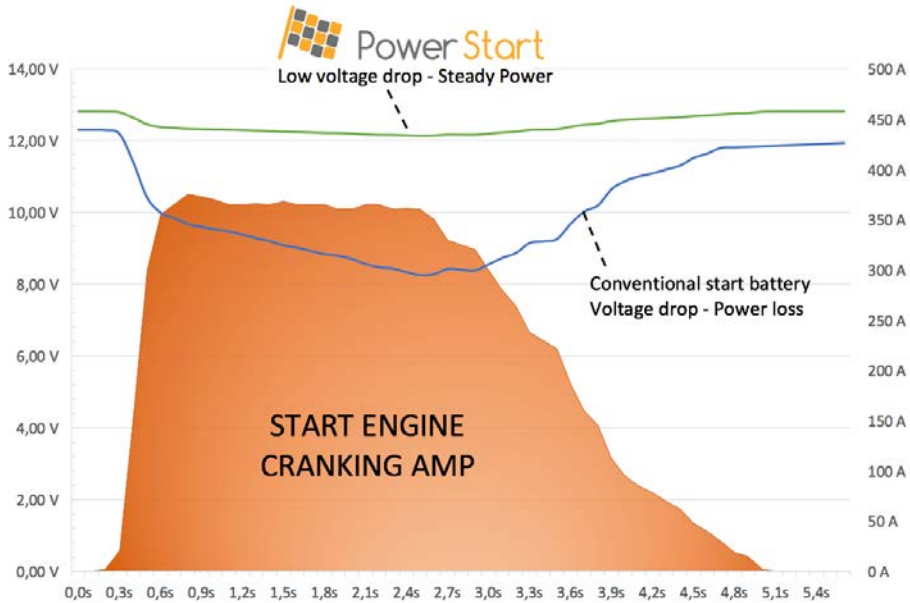
- **SLI / Starter batteries**
- **Very High Power applications**
- **Motorbike, scooters**
- **Quads**
- **Jet-ski**
- **Snowmobile**
- **Microlight, LSA**
- **Airplane starter batteries**
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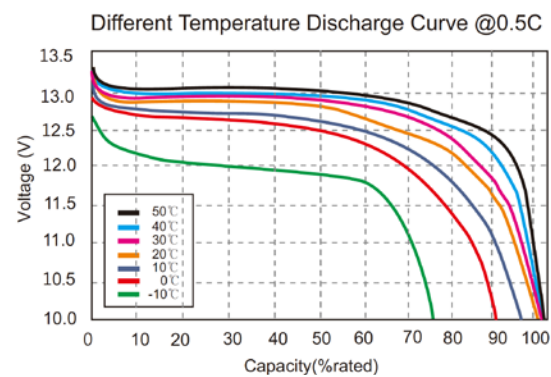
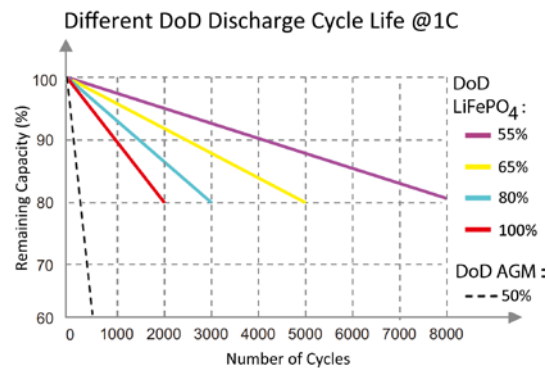
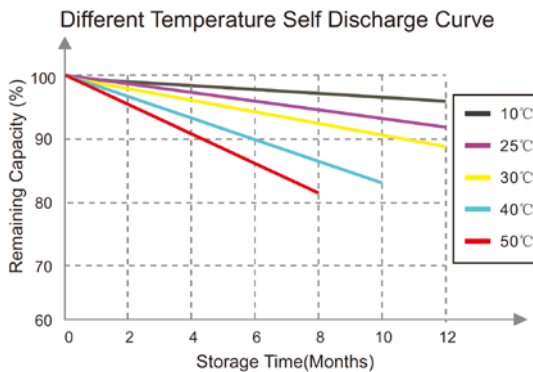
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Charts and curves



PowerStart Typical Start Cycle



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