

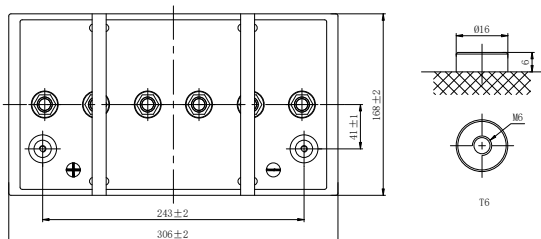
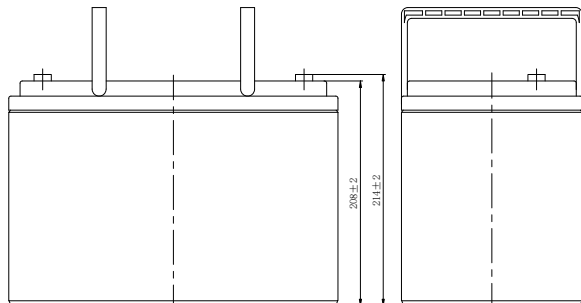
LPCG SERIES-CYCLE APPLICATION

LPCG12-90 (12V90Ah)



CHARACTERISTICS

Item	Specifications	
Voltage	12V	
Dimension	Length	306mm (12.0inches)
	Width	168mm (6.61inches)
	Container Height	208mm (8.19inches)
	Total Height	214mm (8.43inches)
Approx Weight	27.5kg (60.6lbs)	
Terminal	T6(M6)	
Container Material	ABS	
Short-circuit current	1955A	
Internal Resistance (25°C)	≤ 7.4 mΩ	
Self Discharge	≤3% per month at 25°C (77°F)	
Capacity	20HR	90Ah
	10HR	85Ah
	5HR	75Ah
Operating Temp.Range	Discharge	-20~55°C (-4~131°F)
	Charge	0~40°C (32~104°F)
	Storage	-20~50°C (-4~122°F)



APPLICATIONS

- Electrically powered wheelchair
- Vehicle in place of walking
- Lawn-mower
- Golf trolleys and golf cart
- Railway and marine systems

STANDARDS

- IEC 60896 Certified
- Classified as "Long Life" according to Eurobat
- UL Certified
- Manufactured in Leoch® IATF16949, ISO 9001, ISO 14001 and ISO 45001 certified production facilities

LPCG SERIES-CYCLE APPLICATION

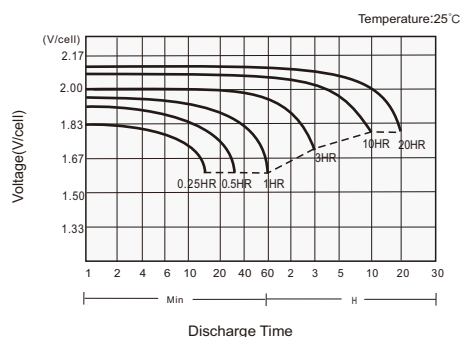
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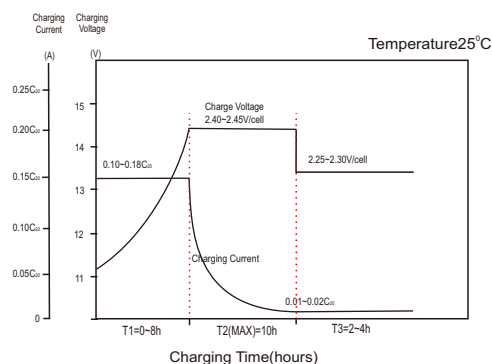
GENERAL FEATURES

- Special plate design, long cycle life
- ≥ 600 Cycles @ 80%DOD
- Operation temperature $-20 \sim 55^{\circ}\text{C}$
- Gelled electrolyte for superior thermal management
- Good deep discharge resilience performance

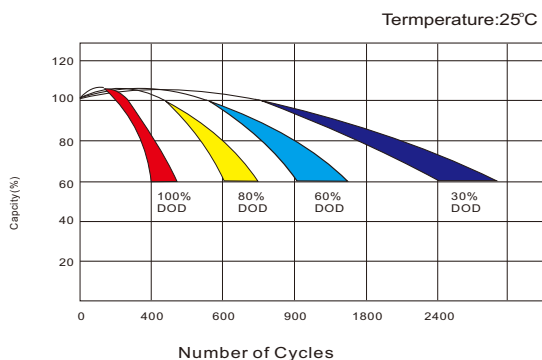
Discharge Characteristics



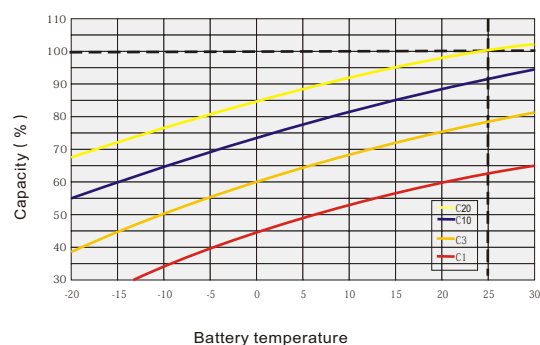
Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Temperature Effects in Relation to Capacity



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