

LPCG SERIES-CYCLE APPLICATION

LPCG12-55 (12V55Ah)



CHARACTERISTICS

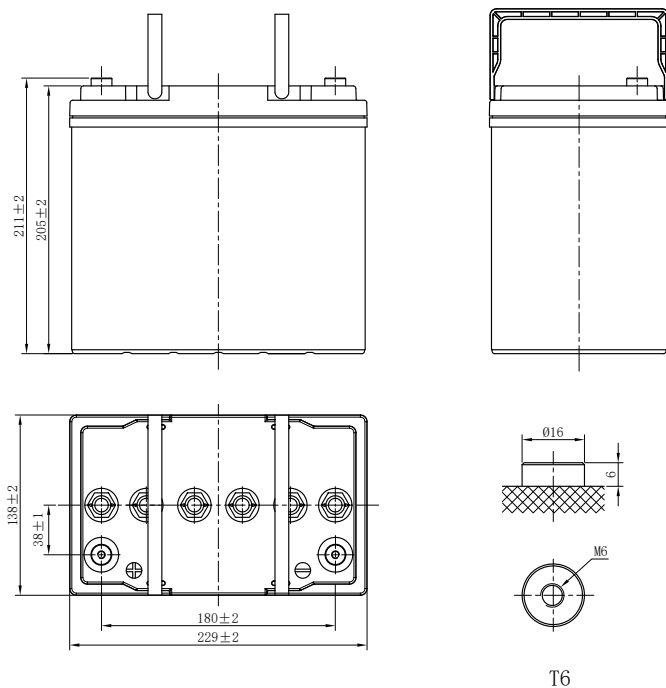
Item		Specifications
Voltage		12V
Dimension	Length	229mm (9.02inches)
	Width	138mm (5.43inches)
	Container Height	205mm (8.07inches)
	Total Height	211mm (8.31inches)
Approx Weight		16.1kg (35.5lbs)
Terminal		T6(M6)
Container Material		ABS
Short-circuit current		1250A
Internal Resistance (25°C)		≤ 12.1mΩ
Self Discharge		≤3% per month at 25°C (77°F)
Capacity	20HR	55Ah
	10HR	50Ah
	5HR	41.6Ah
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



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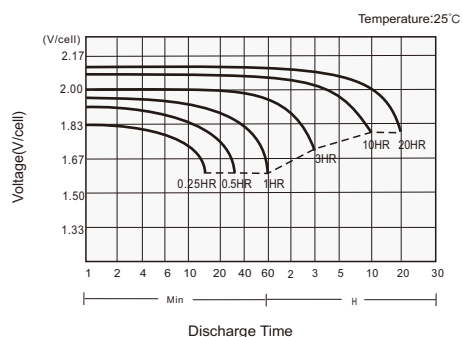
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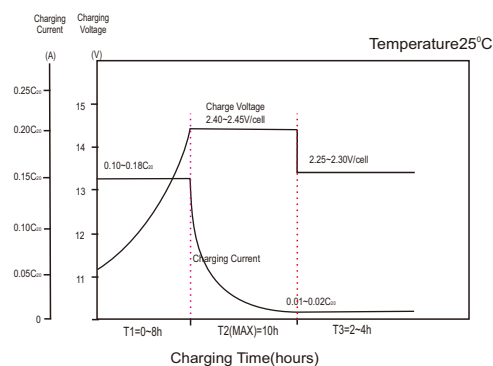
GENERAL FEATURES

- 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

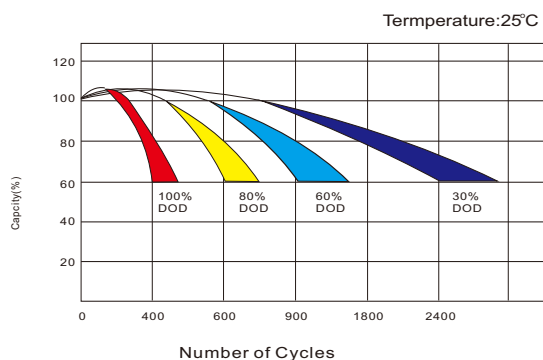
Discharge Characteristics



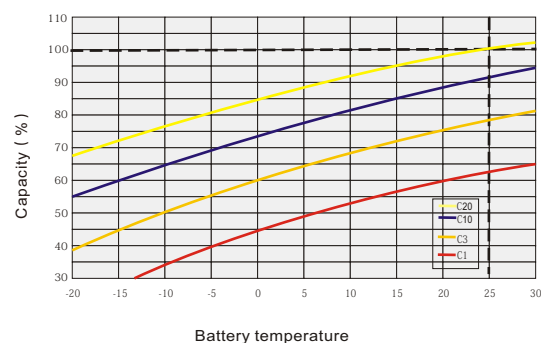
Charging Characteristics



Cycle Life in Relation to Depth of Discharge



Temperature Effects in Relation to Capacity



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