

trak | bloc

BATTERY	Maintenance-free AGM bloc
MODEL	12TB172
CAPACITY (C5)	172 Ah
CAPACITY (C20)	210 Ah
CASE MATERIAL	Acrylonitrile-Butadiene-Styrene (ABS)
PROTECTION CLASS	IP 25
CYCLE LIFE	Up to 1000 cycles at 30°C / 80% DoD
FLAME RETARDANT RATING	UL94 HB



PHYSICAL SPECIFICATIONS

WEIGHT	141.10 lbs.	64 kg
LENGTH	20.83"	529 mm
WIDTH	8.12"	206 mm
HEIGHT	8.71"	221 mm
TERMINAL TYPE	M8 / M8 Conical / M6	
TERMINAL TORQUE	See Terminal Configurations	

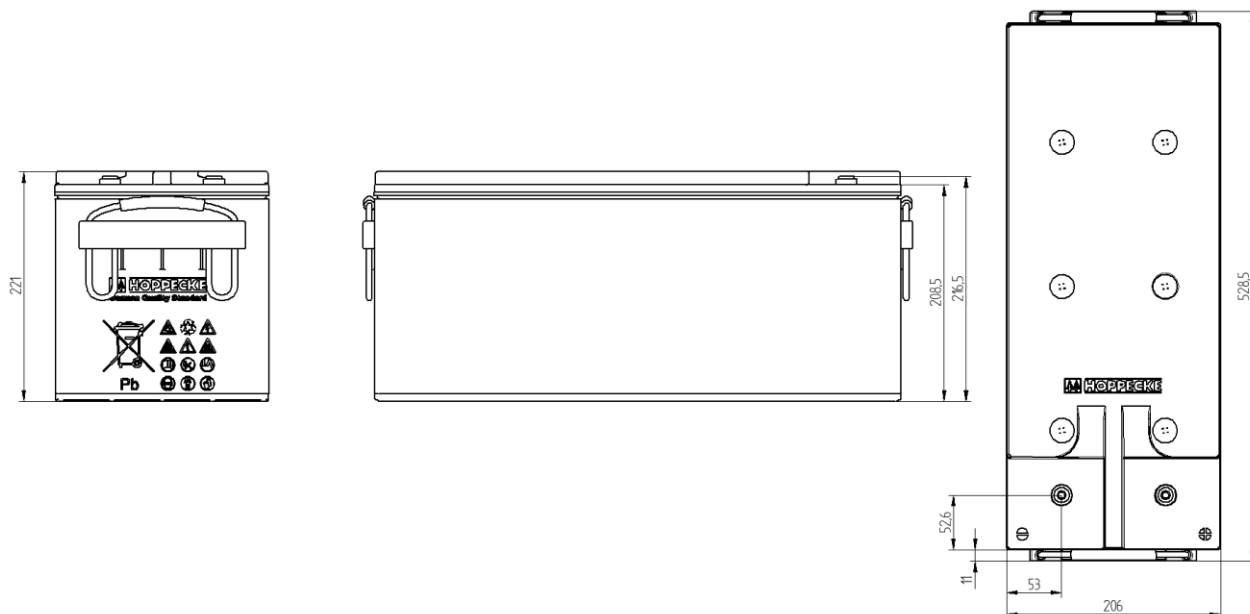
TEMPERATURE DATA

OPERATION	-10°C to +45°C	14°F to 113°F
STORAGE	-20°C to +40°C	-4°F to 104°F
OPTIMAL	25°C ± 5°C	77°F ± 9°F

ELECTRICAL SPECIFICATIONS

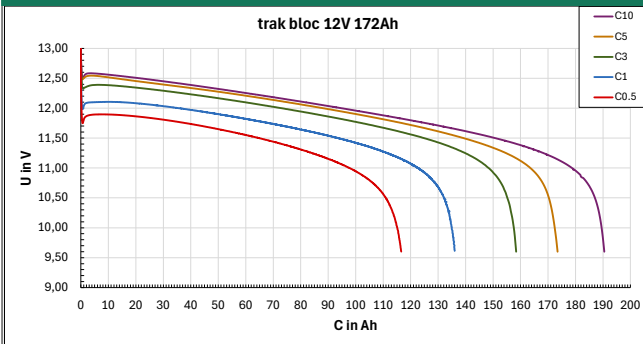
NOMINAL VOLTAGE	12 Volt
CAPACITY (30°C / 86°F)	
C0.5 at 10.2 V	103 Ah
C1 at 10.2 V	122 Ah
C3 at 10.2 V	150 Ah
C5 at 10.2 V	172 Ah
C10 at 10.2 V	186 Ah
C20 at 10.5 V	210 Ah
INTERNAL RESISTANCE (IEC 60896-21)	3.04 mΩ

BATTERY DIMENSIONS (shown in mm)

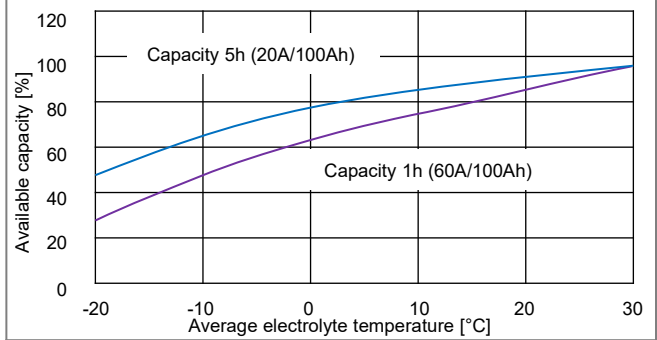


DISCHARGE PROFILE

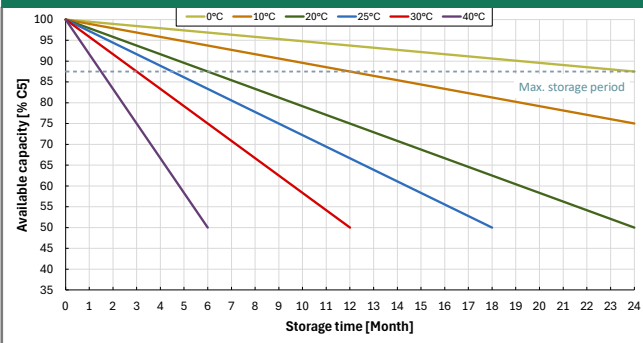
Temperature: 30°C / 86°F



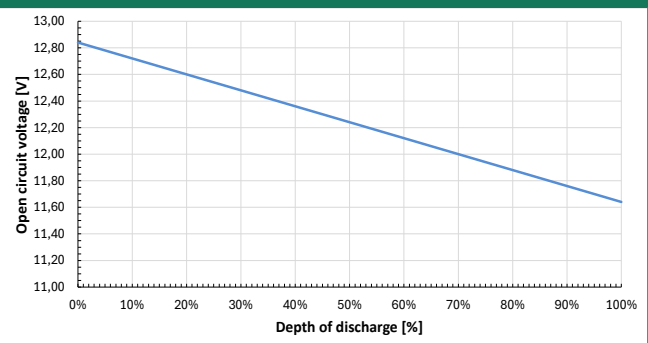
TEMPERATURE VS CAPACITY



STORAGE TIME VS. TEMPERATURE



OPEN CIRCUIT VOLTAGE



BASIC CHARGING INSTRUCTION

Reference temperature : 30°C / 86°F

Phase	Value	Switch condition	Note
Max. bulk charge current (I)	69 A (0.40 x C ₅)	Up to 2.40 V/cell	Please contact us for a detailed charging curve
Charge voltage (U-phase)	2.40 V/cell (14.4 V/block)	I < 1.37 A	
Post charge current (Ia-phase)	1.37 A	up to 2.60 V/cell (15.6 V/block) or 5 h whichever comes first	
Temperature correction +/- 3mV/K for IU/Ia curve at U phase, comparing to 30°C.			
Recommended charge factor: 1.08 (Ah returned/discharged)			
Float charge 2.25 V/cell (13.5 V/block)			

TERMINAL DIMENSIONS (shown in mm)

