

Overview

KRAFT 51.2V 6.5kWh rechargeable lithium battery which is optimized for low rate application which requires high energy density.

Locally manufactured, carries a 10 year repair warranty

Features

Berlin Blue Nano Tech, more stable and safe KRAFT contains a 4 stage AI management system.

Max Charge and discharge rated at 2C depending on application (100 to 200Amp charge and discharge)

With 1.2A equalizer can balance each lithium cell voltage difference as small as 0.05V in a very short time

Built in electromagnetic contactor to ensure no spark connection.

Excellent standby self-consumption as low as 4mA . Automatically output cut off after 30days no charge and discharge to ensure security , also can cut off output by manual operation

Built in information display with RS232/R485 and CAN communication protocol

51.2V 6.5kWh LITHIUM BATTERY

Battery Specification

Nominal Characteristics

Nominal Voltage /V	51.2
Nominal Capacity /Ah (25° C , 0.2C)	120

Mechanical characteristics

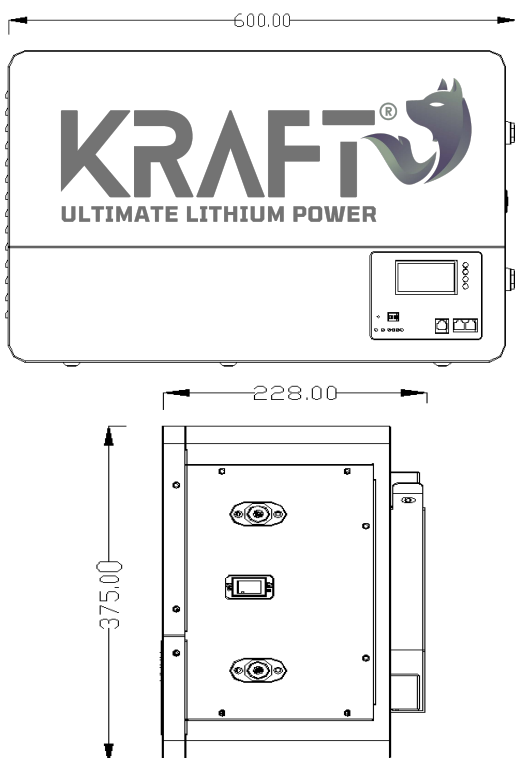
Weight (approximate)/Kg	58.0
Dimension L*W*H /mm	600*228*375
Terminal	M8

Electrical characteristics

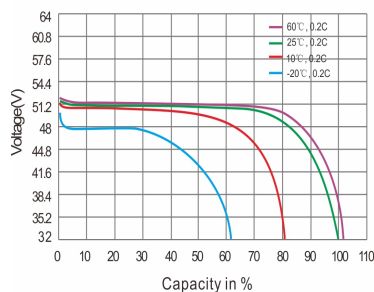
Voltage window/V	44.8 to 58.4
Float charge voltage/V	55.2
Max. continue discharge current/A	100
Max. pulse discharge current/A	150A 1Sec.
Max. continue charge current/A	

Operating conditions

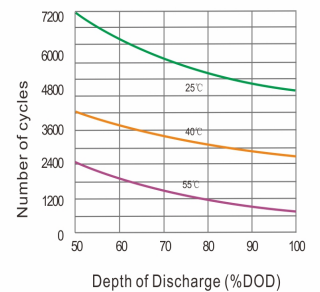
Cycle life (+25°C 0.2C 100%DOD)	6850 cycles with 60% retention
Rated 2C charge & discharge depending on application	
Operating temperature	Discharge -10°C to 50°C Charge 0°C to 50°C
Storage temperature	0 to 30°C
Storage duration	10 year warranty based on 3650 cycles on 100% DOD
Safety standard	UN38.3, IEC62619, CE
IP Degree	IP20 Anti theft wall mount bracket



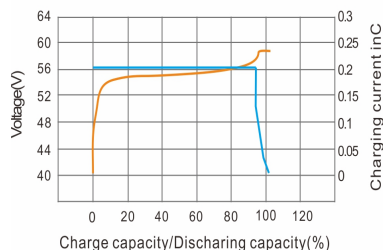
Dis charge curves under diffemet temperatures



Cycle life versus DOD and temperature at 0.2C



0.2C CC-CV charge charavteristic



Self-discharge characteristic

