

## Lumeniere 1.2k battery pack

Lumeniere Li-Ion Nickel Manganese Cobalt (NMC) Deep Cycle Battery is lightweight and high density storage solution made of UL1642 LG cells.

### Discharge Parameters

Max pack temperature: 55°C  
 Min pack temperature: -20°C\*  
 Max discharge current: 300A (<1 minute, fuse limited)  
 Continuous discharge current: 49A: 25°C rise from 100%-0% SOC (.4°C/minute)

### Charge Parameters

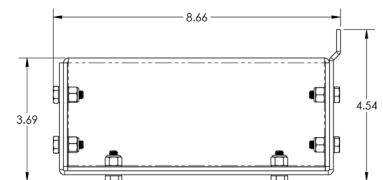
Max pack temperature: 55°C  
 Min pack temperature: -10°C\*\*  
 Continuous charge current: 15A recommended for extended cycle life. (Contact inverSOL regarding charging at higher rates).

## key features

Installed Capacity: 49Ah/1.26kWh  
 Nominal Voltage: 25.7V  
 Cycle Type: CC/CV  
 IP67 Waterproof  
 304 Stainless Steel Case  
 Waterproof signal connector (Deutsch DT04-6P)  
 Integrated contactor (2000A breaking capacity)  
 Sophisticated BMS with CAN (2.0b)  
 Integrated pack fuse (50kA interrupt rang)  
 Weight 25 LB / 11.4 kg

Maximum Charge Voltage	Maximum Discharge Voltage	Usable Capacity	Cycle Life*
29.4V	19.9V	1.26 kWh	1,300
29.1V	21.0V	1.24 kWh	2,800
28.8V	21.0V	1.20 kWh	3,700
28.6V	21.0V	1.13 kWh	4,100

\* 0.3C charge / 0.5C discharge, RT rated cycle life to 80% retained capacity



\*Pack can be operational down to -30°C, but with limited power (1,000W @ -30°C).  
 \*\*For pack temperatures from 0°C to -10°C, max charge rate: 500 W. Contact inverSOL for charging at lower temperatures.