

# DX3-3000SO Sub-Arctic Custom Oilfield/Industrial Light (Designed for Canada and other cold climate applications)

**An alternative and clean outdoor lighting solution for anywhere, anytime**

Every year, millions of street lights are installed worldwide. The demand for street lighting is creating a significant impact on the available electrical generation. Our solution removes the lighting from the grid using solar power or reduces the power demand using our highly efficient LED lights. Our solar lighting concept is a viable, proven alternative to traditional lighting methods.

DX3 Enterprises Ltd. manufactures high efficiency, high output LED arrays and Intelligent Hybrid Driver Boards (IHDB). We offer the first fully-integrated, intelligent, hybrid multi-source powered LED Street Light for anytime, anywhere installation, without the need for electricity. The solar panel array is aimed towards the sun at the optimal angle for maximum power. The DX3-3000SO Sub-Arctic solar array is mounted as required for each custom installation. It requires two large solar panels to power the light during the winter months in cold climate regions.

Our products are manufactured with the very latest technologies including light weight, electrically robust, Lithium Polymer batteries. Our main components are custom designed & assembled in Canada including domestic LED & driver board manufacturing.

## KEY FEATURES

**Custom packaged – split units, skidded units, or other required packaging  
Class 1 Div 1 Construction (As Required)**

- WORKS EFFECTIVELY AT TEMPERATURES RANGING FROM -40C to +80C •**
- FLEXIBLE MODEL SELECTION FOR ADAPTING VARIOUS SOLAR RADIATION LEVELS •**
- ADVANCED POWER MANAGEMENT FEATURES FOR SUMMER / WINTER OPTIMIZATION •**
- INSTALL AND FORGET - OVER 3 YEARS OF RELIABLE MAINTENANCE FREE OPERATION •**
- POWDER COATED ALUMINUM & STEEL CONSTRUCTION FOR DURABILITY •**

## BENEFITS

- LOW CAPITAL COST - NO POWER CABLES, TRENCHES, POWER SYSTEM REQUIRED •**
- ZERO OPERATING AND MINIMAL ROUTINE MAINTENANCE COST •**
- IMPROVED SAFETY FACTOR – NO GRID CONNECTION •**
- FAST & SIMPLE INSTALLATION – REDUCED LABOUR & INSTALLATION COST •**

## PACKAGING

Packing can be customized for each location and individual requirements.



For more information on this or other products & services,

Please visit our Website:

[www.DX3LTD.com](http://www.DX3LTD.com)

**HEAD OFFICE: CANADA – WEST**

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## DX3-3000SO Sub-Arctic Custom Specifications \*

\*Information subject to change without notice.

### DX3 ENTERPRISES LTD. LED ARRAY Specifications

DX3 ENTERPRISES LTD. Model: DX3-3000SO  
LED Selection Option: 32 LED array, 2000 – 3400 Lumens;  
DX3-LCGC2-32 (Cree) OR DX3-LRPW2-32 (Rebel)  
Watts: Nominal 30W, Factory adjustable 20W to 34W  
Warranty: 2 year limited warranty on material and workmanship  
LED Life span: 50,000+ Hours

### DX3 ENTERPRISES LTD. DRIVER BOARD Specifications

Driver Type: DX3 ENTERPRISES LTD. designed charge control and LED driver board, micro-procDX3or configurable, PWM dimming, high efficiency integrated system.  
Inputs: Nominal 17.5VDC from Solar Panel & photo cell signal input  
Power Source: BATTERY 12.8VDC  
Warranty: 2 year limited warranty on material and workmanship

### SOLAR PANEL Power Selection

Solar Panel Power Options: 280W (140W x2)  
Solar Panel Driver: DX3 ENTERPRISES LTD. ESD Integrated Maximum Power Point Tracking (MPPT) Solar Power Optimization. (DUAL driver board setting)  
Solar Panel Mounting: Includes custom mounting frame for secure attachment of solar panels. Orientation is adjustable towards sun.  
Warranty: 1 year limited warranty on material and workmanship

### BATTERY SPECIFICATION

Battery Charge Driver: DX3 ENTERPRISES LTD. ESD Integrated Optimized Battery Charging Control (OBCC), with intelligent power source selection  
Type: Lithium Polymer (LP), Light Weight, Fully Sealed  
Operating Temp: -40C to +80C  
Capacity: 90 Ah  
Autonomous: Time Greater than 3 operating days (1 Day = 10 Nighttime Hours)  
Weight: 12.7kg (28lbs)  
Lifespan: 3 – 5 years  
Warranty: 1 year limited warranty on material and workmanship



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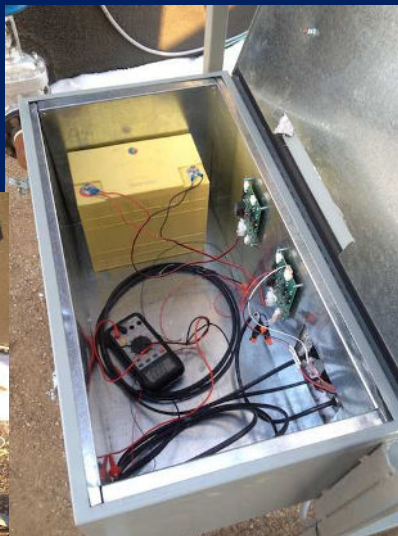
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