

DX3-3000 High Efficiency Solar Street Light

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 and 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 is aimed towards the sun at the optimal angle for maximum power. The solar panel is mounted directly onto the light head.

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

- 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 •
- COMPACT SINGLE PIECE DESIGN •
- FAST & SIMPLE INSTALLATION – REDUCED LABOUR & INSTALLATION COST •

PACKAGING

To properly package the integrated solar street light system we custom manufacture our street light head to contain all the major components, this includes the battery and driver boards that are located inside the light housing.

For more information on this or other products & services,

Please visit our Website:

www.DX3LTD.com

HEAD OFFICE: CANADA – WEST

Unit #109, 117 Pembina Road
Sherwood Park, AB, Canada T8H 0J4

Phone: 780-467-0303

Toll Free: 866-796-0303

Fax: 866-821-3732

E-mail: sales@dx3ltd.com

DX3
ENTERPRISES LTD.

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DX3-3000 Specifications

*Information subject to change without notice.

DX3 ENTERPRISES LTD. LED ARRAY Specifications

DX3 ENTERPRISES LTD. Model:	DX3-3000
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.
Solar Panel Voltage:	Nominal 17.5VDC
Battery Voltage:	12.8VDC
Signal Input:	Photo cell
Warranty:	2 year limited warranty on material and workmanship

SOLAR PANEL Power Selection

Solar Panel Power Options:	65W, 85W, 130W*
Solar Panel Driver:	DX3 ENTERPRISES LTD. ESD Integrated Maximum Power Point Tracking (MPPT) Solar Power Optimization.
Solar Panel Mounting:	Solar panel is mounted to the tilt and swivel apparatus directly on top of the light head. Orientation is adjustable towards sun.
Warranty:	1 year limited warranty on material and workmanship

*Note: Please Check DX3-3000 Solar Panel Selection Map or ask DX3 Enterprises Ltd. experts for minimum Solar Panel Power Requirement for your geographic area.

BATTERY SPECIFICATION

Battery Charge Driver:	DX3 ENTERPRISES LTD. ESD Integrated Optimized Battery Charging Control (OBCC), with intelligent power source selection
Type:	(1) AGM, Deep Cycle, Fully Sealed, Affordable, OR: (2) Lithium Polymer (LP), Light Weight, Fully Sealed
Operating Temp:	0C to 40C (AGM), -40C to +80C (LP)
Capacity:	75 Ah (AGM), 90 Ah (LP)
Autonomous:	Time Greater than 3 operating days (1 Day = 10 Nighttime Hours)
Weight:	23.59kg (52lbs) (AGM), 12.7kg (28lbs) (LP)
Lifespan:	1 – 3 years (AGM), 3 – 5 years (LP)
Warranty:	1 year limited warranty on material and workmanship

CONSTRUCTION - DX3-3000 Street Light

Housing Aluminum Shell over Skeletal Structure, external solar panel mounted on top of Light head with 360 degree swivel and vertical tilt. Swivel mount is directly connected to light head.

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