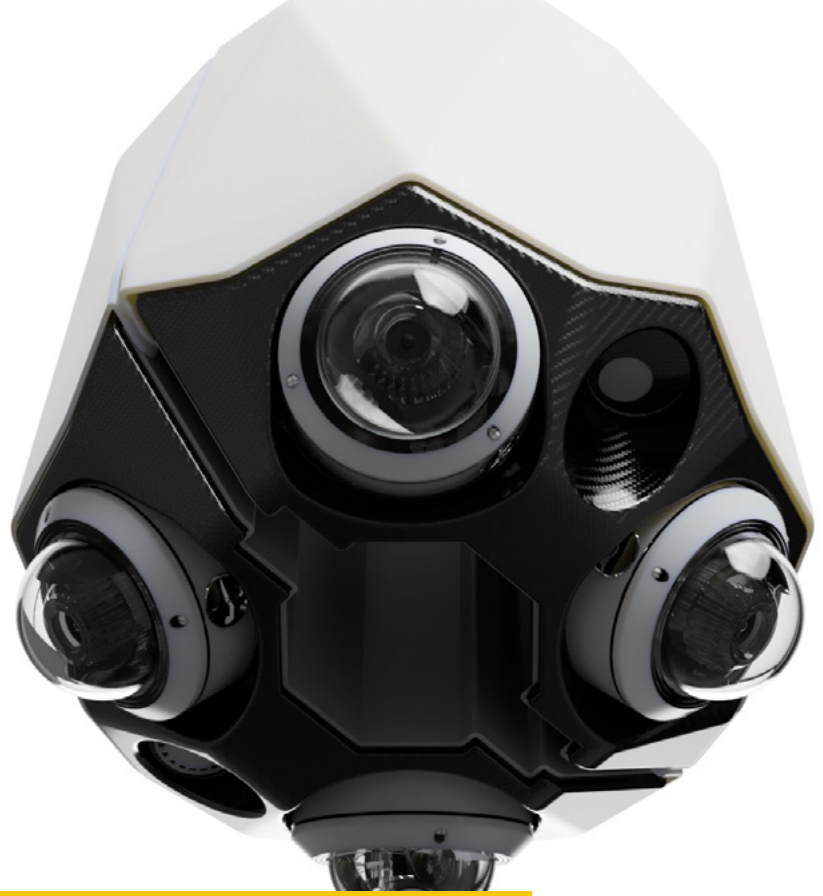


NEW
SMART BOX
DESIGNED
TO IMPROVE
SMART CITY
SOLUTIONS



THE SPHERE

in collaboration with
 Hanwha

LiFePo4 LITHIUM BATTERY



Safety and efficiency. No deep discharge problems, or battery pack deterioration. It is possible to carry out over 2000 deep discharge / charge cycles without worrying about the health of the batteries, and weight and volume reduction.

DATA MANAGER

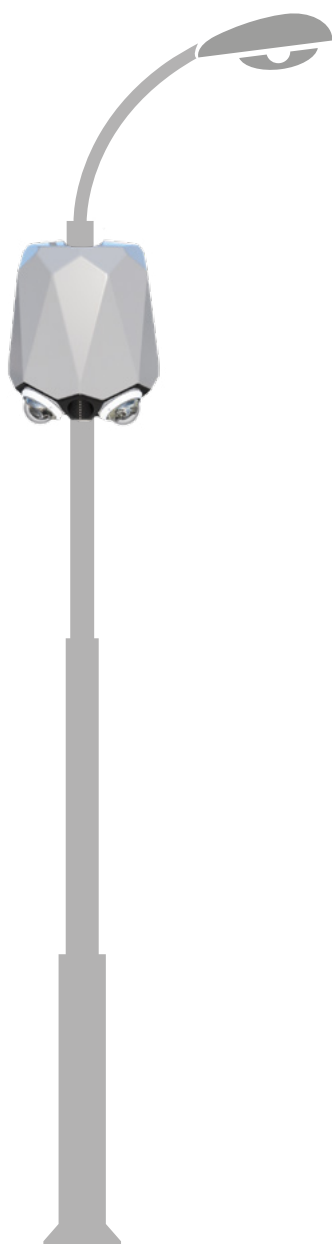
All parameters such as voltages (solar and battery), powers, charge / discharge and integrated environmental sensors currents are monitored via the MQTT cloud through the Townet DataManager platform.





STREET LAMP CYCLE or SOLAR VERSION

The powerful charging power supply always guarantees total recharging of the battery pack in the shortest possible time. In any condition, the maximum charging time for a completely discharged battery never exceeds 6 hours.

The innovative buck / boost switching is high efficiency solar charge controller (minimum 96%) , capable of operating with any type of solar panels regardless of the battery voltage.



Features

	 CYCLE	 SOLAR
Codes	L75C SPHERE	L75S SPHERE
Main Power	AC100-240 Street Lamp	Solar Panels
Outdoor Box	Aluminum	
LifePo4 Lithio Battery	864 Wh	
Battery Voltage	14V	
Total recharge	Fast Charge 15A/220Wh 4h	MPPT BUCK / BOOST
Max Power PV panels	--	600Wp (54-72 cells)
Nominal Voltage PV Panels	--	36V (max 54V open circuit)
DOD cycles 80%	2000	
Integrated Display	programmable & instant volts control	
Switch magnetermic	YES	--
Surge arrestor	SPD type 2 (20kA)	--
Battery protection fuse	20A extra-fast	
Door Opening alarm	YES	
Door Lock	YES	
Power presence check	YES	
Consent / Low battery contact	YES	
Internal temperature control	YES	
Automatic ventilation system	YES	
Dimensions mm (H x W x D)	420 x 420 x 480	
Box Weight Kg (with Mounting Kit)	22,50 (excluded cameras)	
Mounting kit for pole installation	YES	
Remote control and alarms	Datamanager cloud software Included	
Switch Manged POE 5P+1SFP (24+48V)	included	
CO2 Sensor	included	
PM 1-2.5-4-10 Sensor	included	
Temperature / Humidity / Pressure sensor	included	

