

## Product Feature



100,000+ Hours long LED lifespan



Solar PV



Intelligent Lighting

# Integrated Led Solar Street Light

CHINT AiO-212 AiO-212s TECH SPEC

## Features & Advantages

- › **3,000 LM** max lamp lumen high brightness
- › **100,000+ Hours** long LED lifespan, with professional heat dissipation design
- › **10 Years** Manufacturer Warranty for solar PV, **3 years** product warranty
- › **3,000+ Cycles** life LiFePO4 batteries with inbuilt Micro-BMS technologies
- › **99.9%** MPPT tracking efficiency
- › **IP68** rated controller vs. **IP67** rated electrical compartment
- › **3+ Days** cloudy/rainy days autonomy
- › **IES Type II Optical Lens** with professional optical designs and perfect light flux distribution
- › **Flexible & Customized Working Modes** with timer and motion sensor by programming

## Applications

- › Second street lighting
- › Roadway/ walkway lighting
- › Garden lighting
- › Public areas lighting (squares, theme parks, parking lots....)

## Model No. AiO-212/AiO-212s



### Technical Datasheet

ITEMS		SPECIFICATIONS
LED Light Source	Lamp Lumen (Max)	≥ 3,000 LM
	Nominal Power	30W (=300 W incandescent light)
	LED Chips	60 LEDs LUXEON 3030 (LED Lumen Eff.: 195lm/W)
	Color Temperature	6500K (2700~6500K Full Range Color Temperature Available)
	CRI /Life-span	CRI>70/ Lifespan>100,000 hours
	Beam Angle	140*70° (Customized Beam Angles & IES Types Available)
Solar Panel	Power	5V/30Wp
	Cell Type	High Efficiency Monocrystalline PV with Cell Eff. up to 22.8%
	Warranty	>90% in the 12 years, >80% in the 25 year
Batteries	Capacity	3.2V/30,000 mAh (96 Wh)
	Type	Grade A Lithium Iron Phosphate Batteries (LiFePO4) with Micro-BMS
	Life-span	8+ years (3,000 circles @ 60% DoD)
Controller	SType	MPPT with Intelligent Power Management
	Control	5 sections timer (PIR or Microwave Radar Sensor as optional)
Full Charge Time	By Solar	< 4 hours (STC: 1000W/㎡, 25℃ )
Discharge Time	Dim Mode	60 hours
	Bright Mode	12 hours
Working Temp.		-30℃ ~ +80℃
Mounting Height/Pole Top Diameters		Mounting Height: 3~6M/ Pole Diameters 40~80 mm
Distance Between Poles		20~25M
Housing Materials		Aluminum Alloy+Galvanized Steel+PC Lens
Certificates		CE / ROHS / IP67/ IK10 /TÜV-SUD: ISO9001/ ISO14001/ISO45001
Warranty		10 years for Solar PV, 3 years for complete light

### Dimensions & Packing Information

ITEMS	PACKAGE	L (mm)	L (mm)	L (mm)	CBM	G.W. (kgs)
Full set with brackets	1pcs per Carton	890	890	360	100	5.5
PCS/40'HC Container	2460 pcs	PCS/20'GP Container		1080 pcs		