

AIDE Energy's Solar LED Lighting System

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Lights for rural areas without utility

Lights for community without cables

曼 Green energy

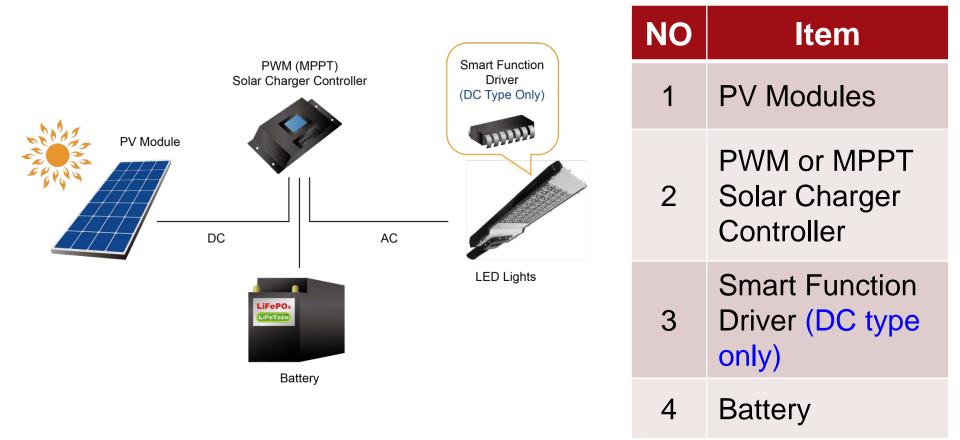
Application Photograph of Solar LED System



The application way of solar LED will be...



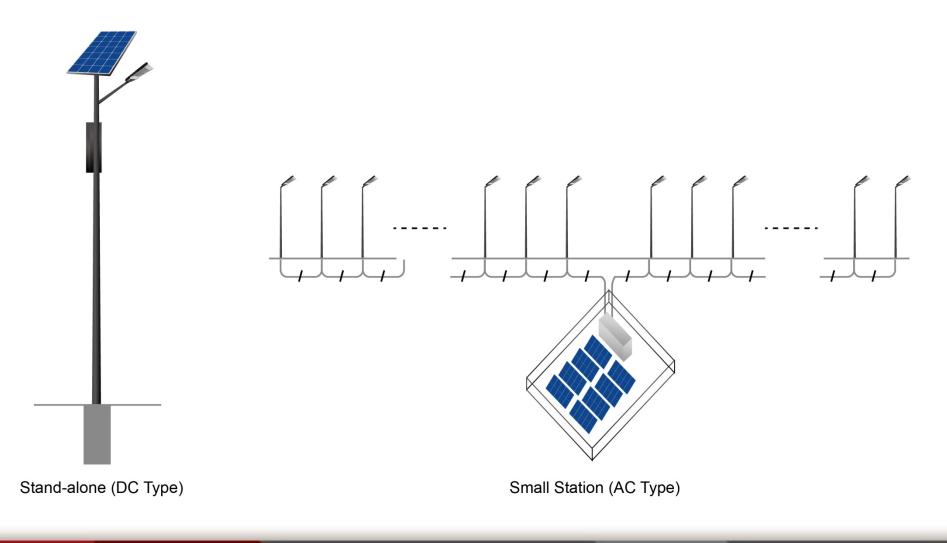
The Composition of Solar LED System



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The system can generate and supply electricity independently.



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- To supply electricity for lights
- No need to install cables to connect with the grid in a long distance
- Battery is necessary
- It's a stand-alone system
- Higher system stability (compared with generator)

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Specification of Solar LED Street Lighting System

	Design 1	Design 2	Design 3	Design 4	Design 5
LED Light (W)	60	80	120	150	180
Daily Consumption of Lights (W*12hrs)	720 Wh	960 Wh	1,440 Wh	1,800 Wh	2,160 Wh
PV Module(W) ≧	192	256	384	480	600
Battery Capacity (Wh)	2,400	3,600	4,800	6,000	7,200
DOD (Depth of Discharge)	30%	27%	30%	30%	30%
Life Expectancy of Battery (year)	3.8	4.2	3.8	3.8	3.8
The Extension of The Durability During Cloudy Days While The Smart Charge Controller is Turned-on (days)	4.3	4.8	4.3	4.3	4.3

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Specification of Solar LED Garden Lighting System

	Design 1	Design 2	Design 3
LED Light (W)	10	15	30
Daily Consumption of Lights (W*12hrs)	120 Wh	180 Wh	360 Wh
PV Module(W) ≧	32	49	96
Battery Capacity (Wh)	600	900	1,200
DOD (Depth of Discharge)	20%	20%	30%
Life Expectancy of Battery (year)	3.8	4.2	3.8
The Extension of The Durability During Cloudy Days While The Smart Charge Controller is Turned-on (days)	6.4	6.4	4.3

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New Thinking

