



Record of PV & ESS Installation



PV

InstallationCapacity: 381,525 kW



ESS

InstallationCapacity: 144,424 kW









Solar Installation Performance Status / RPS Solar PV System











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Solar Installation Performance Status / Procurement Excellence





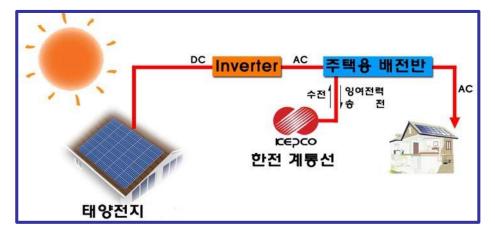






Tied Systems for Residential Homes











Residential Connected System Diagram

Power Flow Diagrams Based on Weather

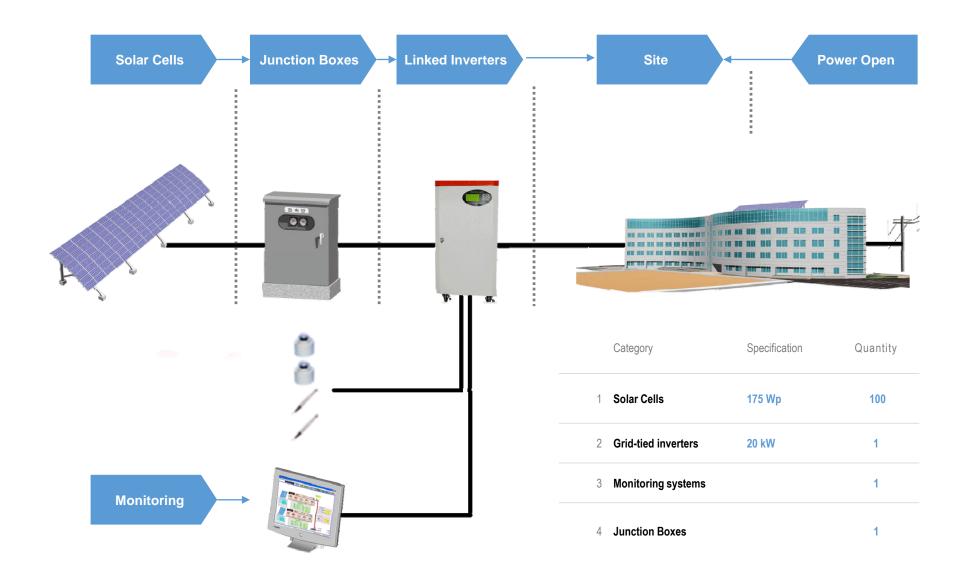




Residential Connected Use Case

General Linked System Configuration





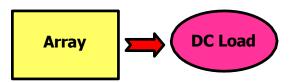
Not Applicable to Residential Installations



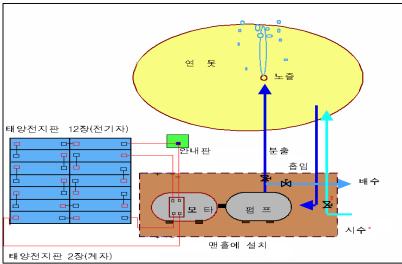


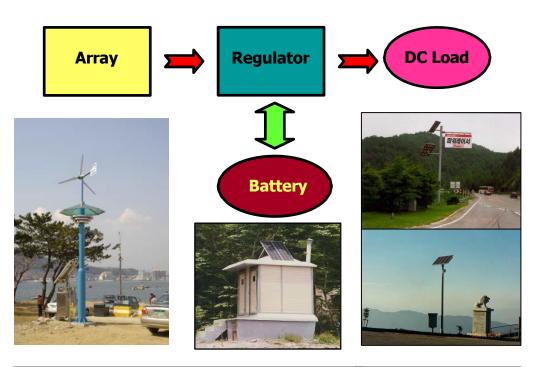
Application System













General Distribution Use Cases















Stand-alone Systems (Stand-alone, Off-grid) Use Cases





Location	Hwahwado, Hwajeong, Yeosu, Jeollanam-do	Solar cells	60 KWp
	34 households (120 people)	Storage batteries	1,170 KWh
Installation Year	1995. 10	Inverters	2 x 25 KVA
Setup costs	804,000 K	Power Regulators Rectifiers	1 x 60 KVA
Transmission Type	24-hour power supply	Generator	2 x 75 KW



Location	Gyeongnam Goseong Samsan Wado	Solar cells	30 KWp
	13 households (20 people)	Storage batteries	540 KWh
Installation Year	1997. 5	Inverters	2 x 15 KVA
Setup costs	460,000 K	Power Regulators Rectifiers	1 x 30 KVA
Transmission Type	24-hour power supply	Generator	50 KW

Construction Examples of BIPV Installation in Korea





Installed Capacity

50 kW

Location

Jeonnam National University, Jeonnam, Korea



Installed Capacity

50 kW

Location

Gwangju Seo-gu Commerce Citizen Park





Installed Capacity

26 kW

Location

Daejeon Techno Valley



Installed Capacity

184 kW

Location

Gurye-eup, Gurye-gun, Jeollanamdo "Seomjin-gang Local Fish Ecology Museum"

Construction Examples of BIPV Installation in Korea





Installed Capacity 15 Kw (3 Kw)

Location Korea Institute of Energy Technology, Daejeon



Installed Capacity

1.8 kW (Amorphous Thin Film Transmissive Solar Cells)

Location Kolon Construction Technology Center, Yongin, Gyeonggi-do, Korea



Installed Capacity 12 kW

Location Uljin Agricultural Expo Center,
Gyeongsangbuk-do



Installed Capacity 13 kW

Location Bictech, Icheon-si, Gyeonggi-do