



Connex Pleas style solar panels (4pcs / 8pcs / 12pcs)

# Quick Solar

PORTABLE SOLAR POWER  
GENERATION & STORAGE SYSTEM



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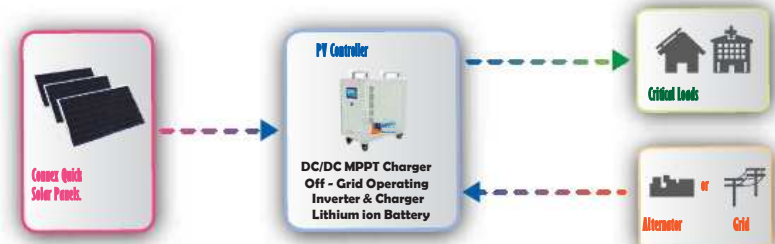
### FEATURES & BENEFITS

- 01** **Easy and fast installation**  
 Portable and foldable solar panels.  
 Easy cable connection between solar panel of pleats style and the cabinet(PV controller).
- 02** **Compact design**  
 Pleats type solar panels and all-in-one cabinet.  
 The cabinet contains battery, inverter, BMS, display and main controller.  
 Solar panel of pleats style can install at everywhere, and the cabinet is located in the building where electricity will be used.
- 03** **Easy power capacity choose**  
 Expandable solar panels: 4, 8, 12 ...  
 Various cabinets are available: 1-10KWh.
- 04** **Maximum power generation and battery charging**  
 MPPT (Maximum Power Point Tracking) per panel mitigates all type of mismatch loss such as partial shading.  
 Solar panel of pleats style can tilt for maximum exposure to the sun.
- 05** **On/off grid auto switchable inverter**  
 Excess energy to be exported to grid if batteries are fully charged.  
 Batteries are charged by on-grid power if no sunshine.  
 Therefore, critical loads always get power with/without sunshine.

### TYPICAL APPLICATIONS

1. Normal houses with residential structures difficult to install on the rooftop
2. Farm area for heating water, heating air, ventilation fan, AC motor for pumping water and so on.
3. For military telecommunication equipment.
4. Recovery area after disaster such as earthquake, volcano, typhoon.
5. Areas where electric transmission lines are difficult to install such as higher mountain, island, rural area.
6. Backup electric power and reduce electric cost for normal factory, gas station, hospital,...
7. Outdoor training sites require electricity for several kinds of electrical equipment.
8. Pico/micro telecommunication RF base station
9. Charging battery for electric vehicle using renewable energy

### SYSTEM CONFIGURATIONS



Off-Grid Inverter and controller for 2KW system(3.3KW Lithium ion battery)



On/Off-Grid switchable Inverter and controller for 3KW system(6.63KW Lithium ion battery)



Solar panel folding for transportation

Solar panel stretching

Solar panel tilt to allow maximum exposure to the sun

### SPECIFICATIONS

POWER	1KW/h	2KW/h	3KW/h
Total power per day	3.5KWh	7KWh	10.5KWh
Number of solar panel (250W)	4pcs	8pcs	12pcs
Dimensions (W X D X H)	1.6 X 4 X 1.5m	1.6 X 8 X 1.5m	1.6 X 12 X 1.5m
Weight (Solar panel assembly)	134Kg	265Kg	402Kg
Cabinet	53Kg	57Kg	135Kg
Lithium ion battery	3.3KWh	3.3KWh	6.6KWh (or 8.1KWh)
AC output (critical loads)	1KWh nominal	2KWh nominal	3KWh nominal
AC input voltage	220V (+/- 10%)		
AC input frequency	50/60Hz (+/- 5Hz)		
AC phase	1		