

## POWER CONDITIONER



**SAFETY**



**EFFICIENCY**



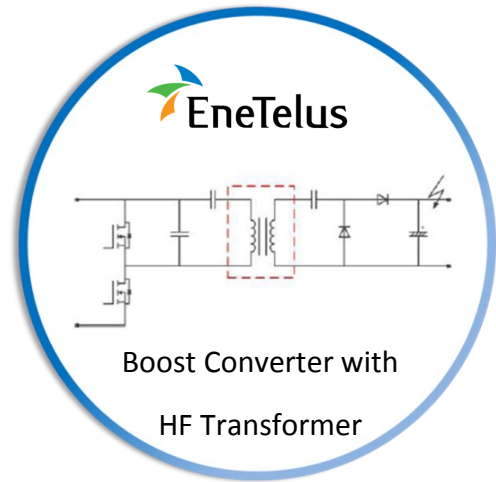
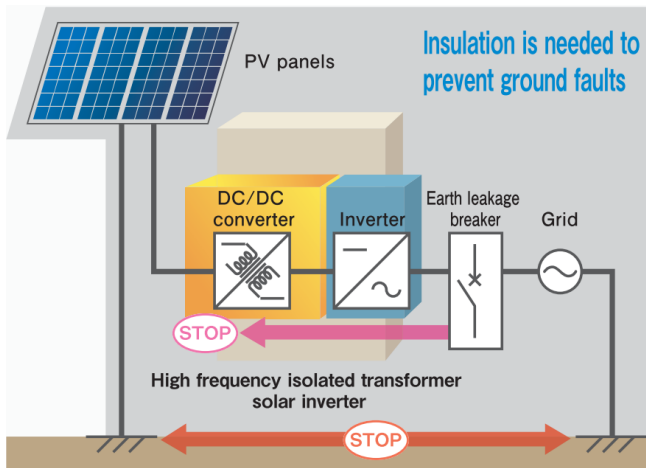
**SMART**



**RELIABILITY**



## High frequency isolated transformer method



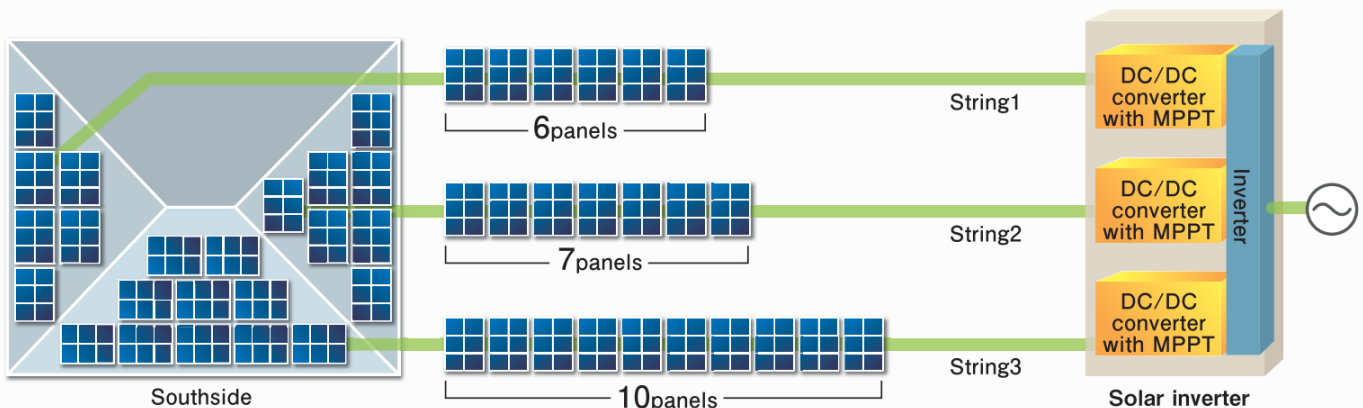
**EneTelus** maintains safety, even when there is a lightning strike or a problem with the grid, in systems that place a strong emphasis on dependability.

## Superior Multi-String System

- ① Junction boxes and booster units are not necessary (System Efficiency = Inverter efficiency).
- ② Maximum generation can be harvested from each string (Each DC/DC converter has MPPT function).
- ③ Combination of different kinds and numbers of panels can be installed per string (Maximum use of roof).

### Multi-entry system (Multi-string system)

Generation amount increases! Power loss decreases!



**EneTelus** multi-string systems have individual DC/DC converter for each string, maximizing generation. Also, junction boxes and booster units are not necessary in the systems.

## Outdoor Installation

**Noise**  
(high frequency sound)

Operating noises and high frequency sound can be unpleasant.

**For wide use indoors**

It's difficult to find space indoors.

**Generates heat**

Conversion loss becomes a heat source. Increase room temperature and the output of the solar inverter itself decreases.

**Completely solves the problem of indoors installation!**

Neat and tidy installation on an exterior wall.



**EneTelus** is a solar inverter that is especially suitable outdoor installation in residential areas. Nearly all installation work can be done outside and all that needs to be done is to make connections into the building.

## 3.5kW/5.5kW Specifications






Model Name	EPC-A-S35MPT	EPC-A-S55MPT
Input (DC)		
Maximum Input [per string]	4300W[2150W]	6450W[2150W]
Maximum Input Voltage	450V	
MPPT operation range/ Rated input voltage	80-450V/250V	
Minimum Input Voltage/ Start up Voltage	80V/100V	
Number of String	2	3
Maximum Input Current (per string)	10.3A	
Output (AC)		
Electric Connection	Single Phase Two Lines	
Conversion Topology	Current controlled Voltage Topology	
Rated Output	3500W	5500W
Nominal Output Voltage	220V(PEA)/230V(MEA)	
Nominal Output Voltage Range	198-242V(PEA)/200-240V(MEA)	
Output Frequency	50Hz	
Rated Maximum Output Current	16A	25A
Power factor	>0.99	
Power factor control	lag 0.95 to lead 0.95	
Active Power control	Available	
Efficiency		
Conversion Efficiency	0.94	
MPPT Efficiency	>99%	
Islanding Protection		
Passive Mode	Frequency change detection	
Active Mode	Step injection frequency feedback	
Basic Data		
Dimension (W/H/D)	487/681.5/200mm	
Weight	20kg	25kg
Operating temperature	-20°C to +40°C	
Noise	Less than 44dB	
Standby Power Consumption (at night)	Less than 10W	
Insulation Method	High Frequency Transformer	
Cooling Method	Force ventilation by Fan	
Index of Protection	IP55	
Feature		
Input Terminal	Terminal (+,-) x 2	Terminal (+,-) x 3
Output Terminal	Terminal (L,N)	
Ground Terminal	Terminal 1 pole	
Display	Available	
Communication Interface	RS-485	
Warrantee	Up to 10 years	
Standard	PEA, MEA	



# Product Line Up

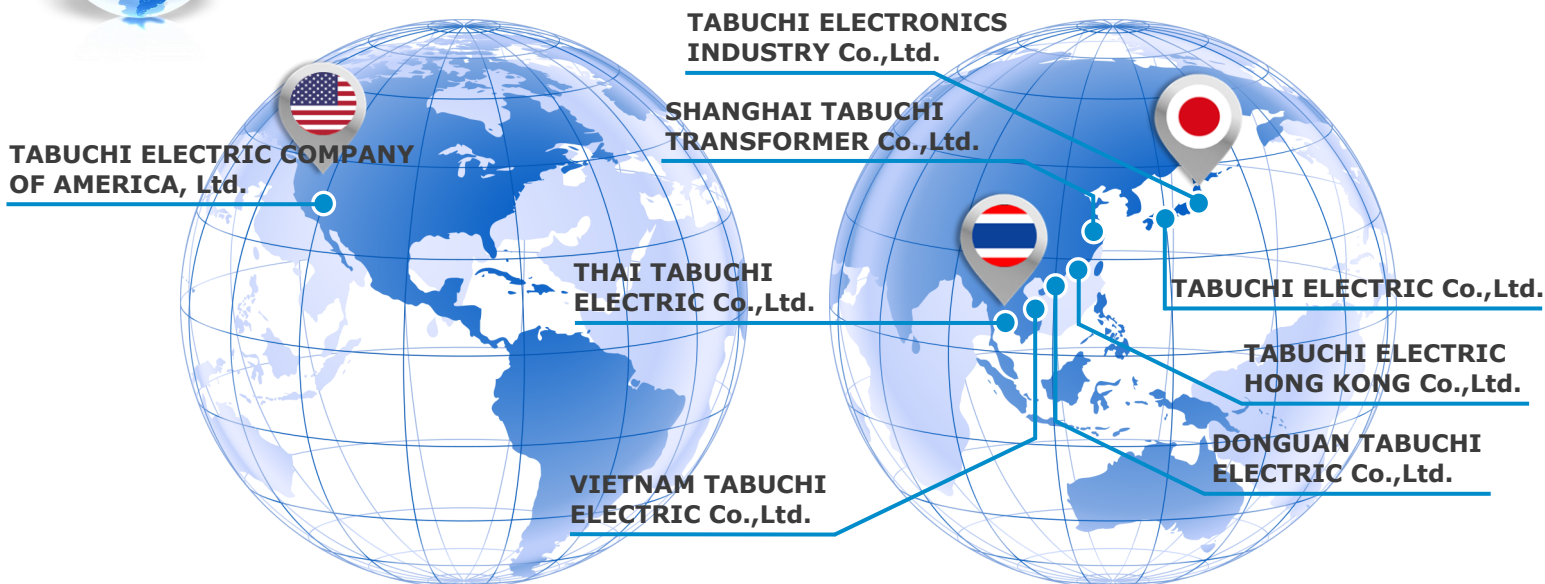


-  150 W for Stand Alone Inverter
-  Three-Phase 10kW Power Conditioner
-  Three-Phase 25kW Power Conditioner

		
 	  	
Stand Alone Inverter 150W	Small to Middle - scale Commercial Three-Phase 10kW	Middle - scale Commercial to Solar Farm Three-Phase 25kW



## Tabuchi Electric Global Network



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