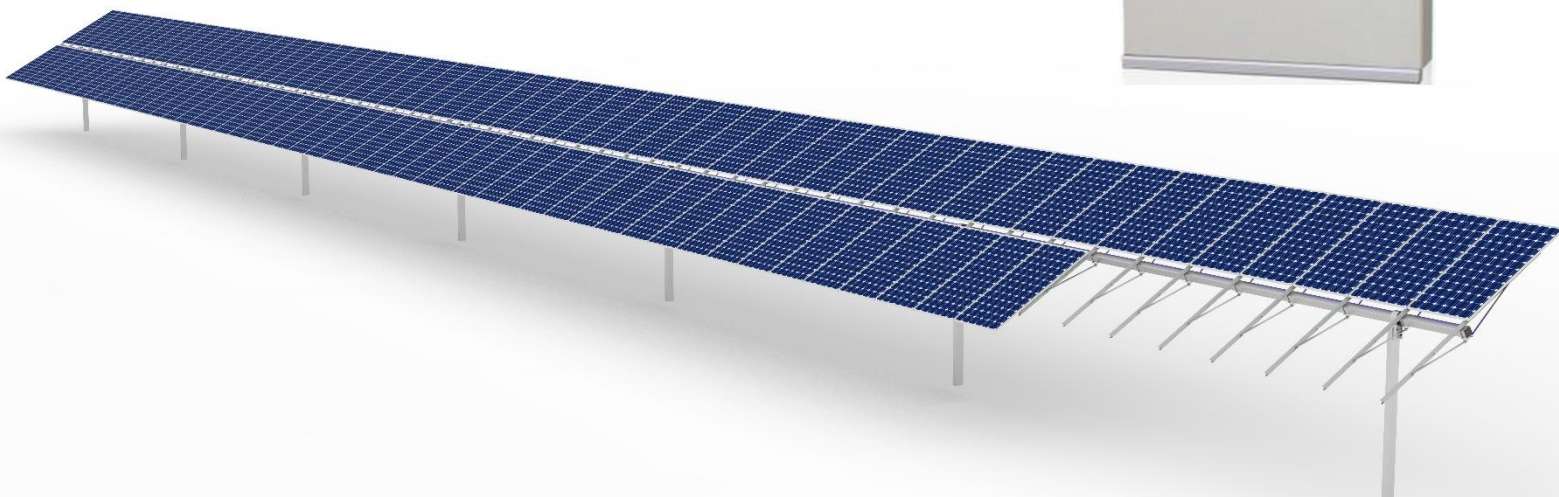


BiT Network Control Unit

Reliable Network



Control

Automatic
Manual



Network

Up to 200 TCU
Weather station
SCADA



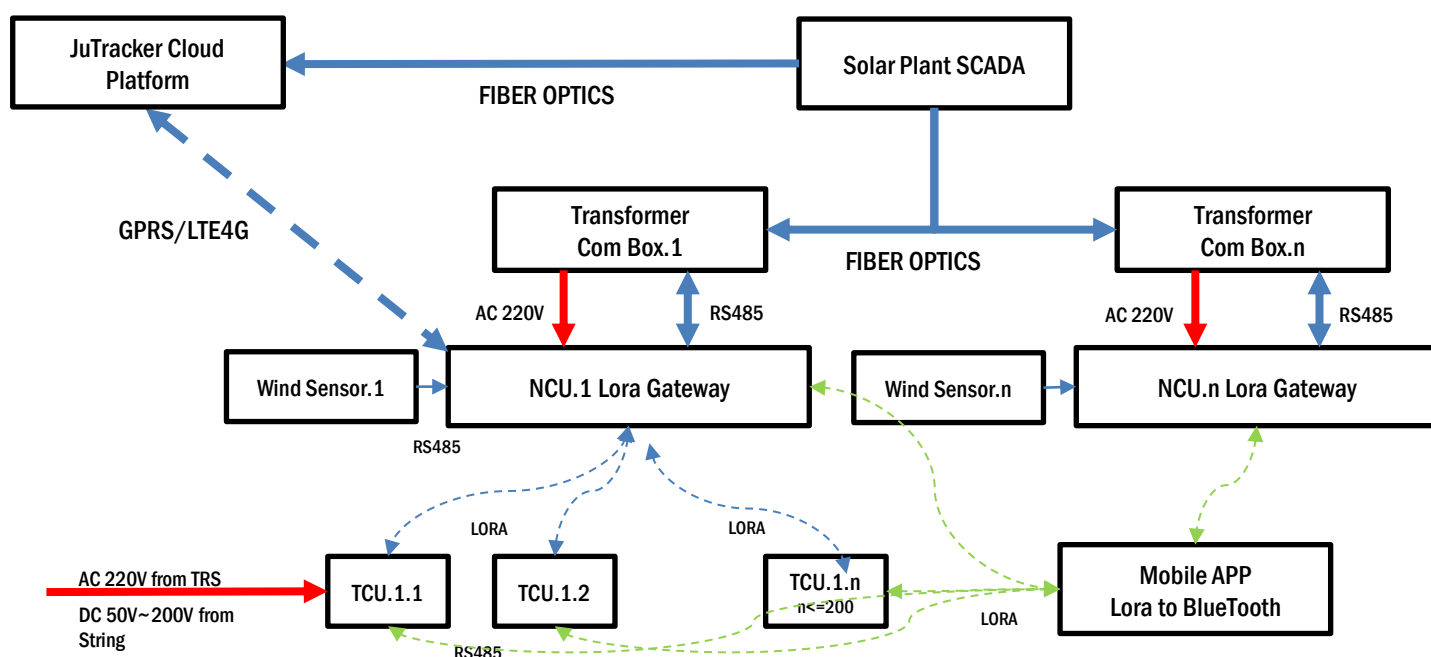
Operation Mode

Rain/Snow
Wind
Cleaning



O&M

Wireless
Plug-in-Play



Network Control Unit Controller Electrical Specifications		NCU
Characteristic Parameters		
Input		
Power Supply		220 VAC (L+N)
Control		
Control Unit		High speed MCU
Tracking Accuracy		< ±1°
Parameters Setting		PC Software
Power Consumption		
Daily Energy Consumption		<0.1 kWh/Day
Parameters Setting		
GPS Signal		Yes
High Wind Trigger Threshold		PC
Heavy Snow Trigger Threshold		PC
Latitude and Longitude		Automatic
Time Zone (Winter Time)		Manual
Protection and Alarm		
Weather Sensor Alarm		Yes
Communication Interruption With TCU		Yes
GPS Module Failure Alarm		Yes
Communication		
Wireless Communication (with TCU)		LoRa
Protocol		Modbus
Environmental Information		
Wind Speed		Yes
Irradiation		Yes
Snow Thickness Information		Yes
General Data		
Tracker Type		Jutracker BiT
Box Material		Q235B/Aluminum
Installation		Beam Hanging
Enclosure Testing		IP65
Weight		<6kg
Dimensions		380*350*100mm(L*W*H)
Operation Temperature		-40° ~ 60°C(<1)
Altitude		<3000m
* Standard configuration. Different conditions under request, please consult Jutracker		

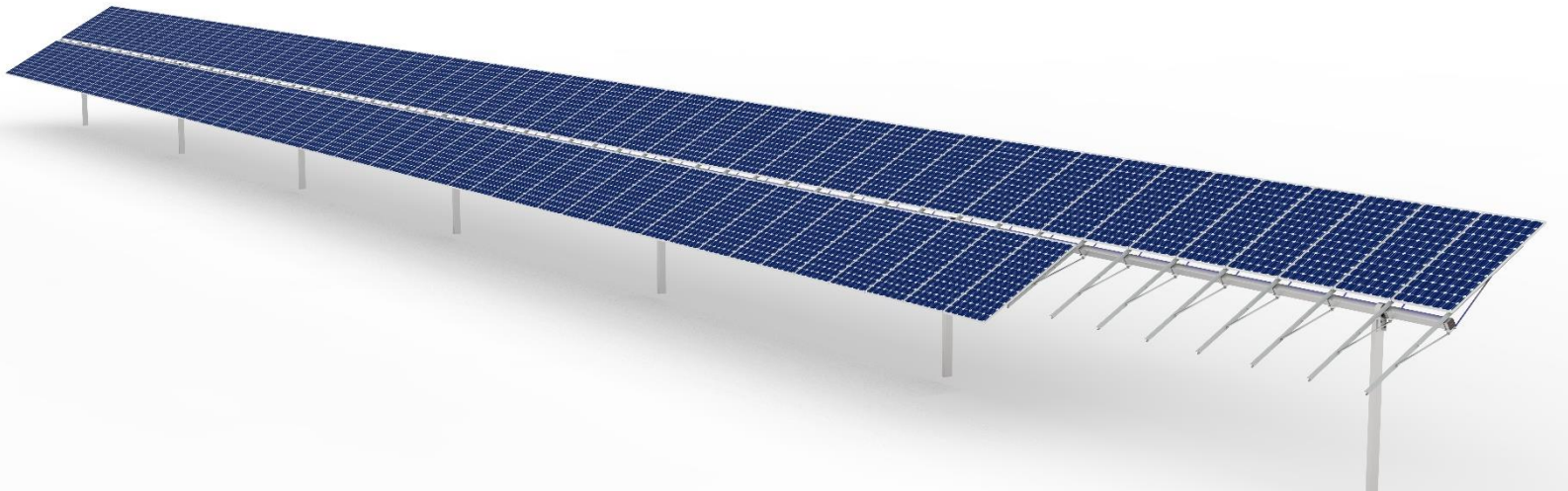
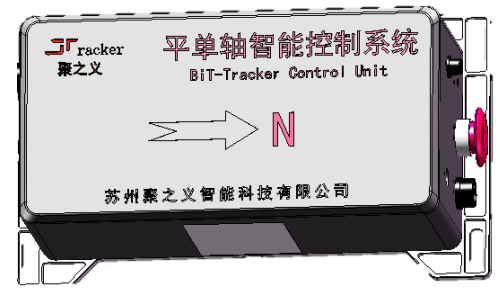


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BiT Tracker Control Unit

Smart Tracking



Tracking

Astronomical
Backtracking
Sensor Control
Feedback



Power Supply

AC 220V from Trs
DC from String



Sensor

Angle
Temp
DOD Battery



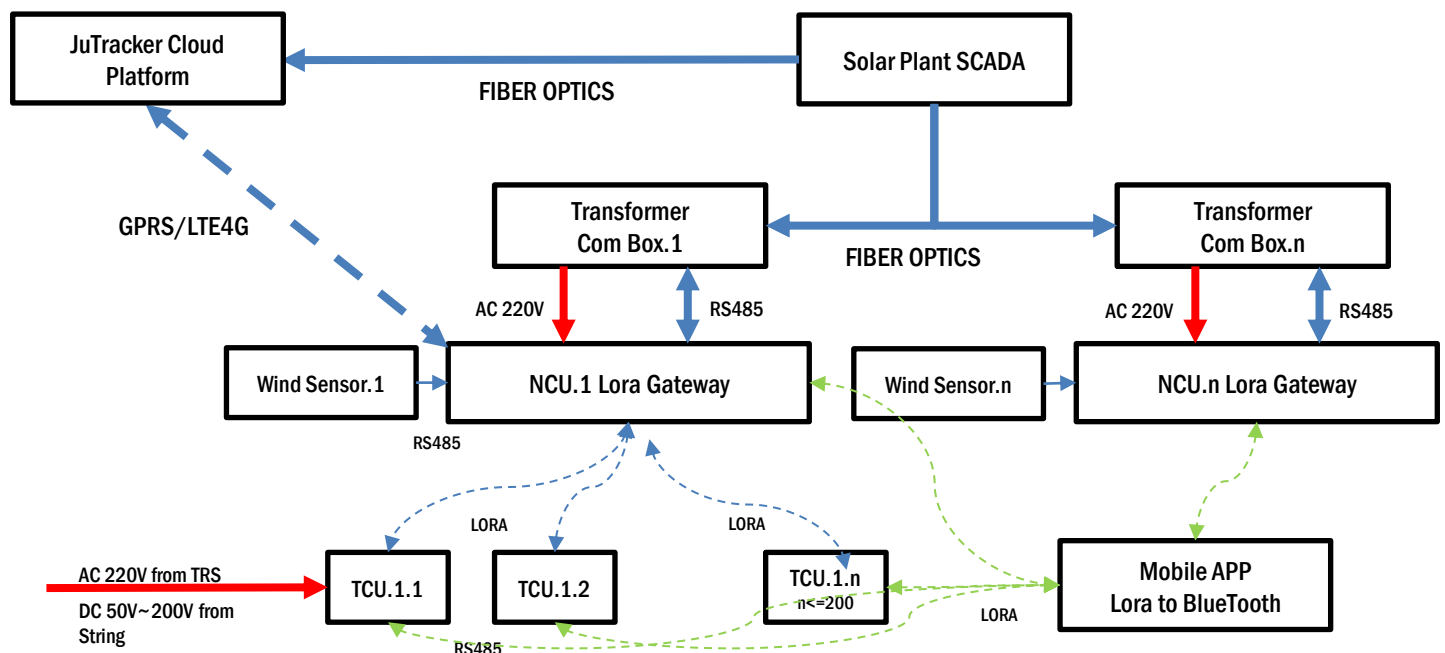
Communication

LoRa
RS485



Protection

Current
Voltage
Angle
Emergency Stop



Tracker Control Unit		TCU
Controller Electrical Specifications		
Characteristic Parameters		
Input		
String-powered Supply		String-powered (50-200V DC)
External Supply		LV side Transformer(220V AC)
Output		
Working Voltage		DC 24V
Rated Output Current		6A
Max. Output Current		10A
Battery		
Battery Type		Lithium-ion Battery
Battery Capacity (String-powered supply)		6500mAh
Power Consumption		
Daily Energy Consumption		0.2 kWh/Day
Smart Controlling		
Tracking Algorithm		SmartTrack
Rainy Cleaning Mode		Yes
Snow Mode		Yes
Hail Pattern		Yes
Wind Protection		Multi-Level Wind Protection
Reset Protection at Night Parking		Yes
Rotation Limit Protection		Yes
Motor Overcurrent Protection		Yes
Manual/Automatic Tracking Mode		Yes
Emergency Button		Yes
General Data		
Certification		CE, IEC, TUV
Environment Temperature		-40 °C ~ 60 °C
Tracking Angle		Up to $\pm 60^\circ$
Tracking Accuracy		$< \pm 1^\circ$
Wireless Communication		LoRa
Wire communication		RS485
Protection Level		IP65
Weight		<3kg
Dimensions		300*170*80mm(L*W*H)
* Standard configuration. Different conditions under request, please consult Jutracker		



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