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## 48V Off-Grid solar Hybrid Inverter

order



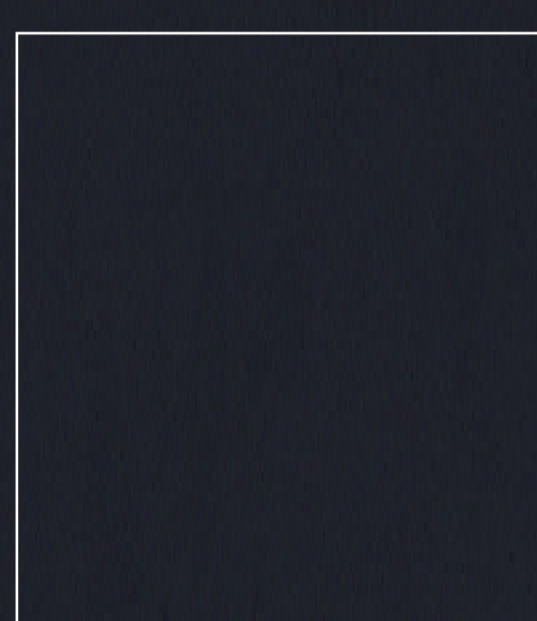
SIZE	Length	XXX mm
	Width	XXX mm
	Height	XXX mm
WEIGHT	XXX Kg	
POWER	XXX Kw/h	

### Products are all a show

The Positive Show



The Left Side Show

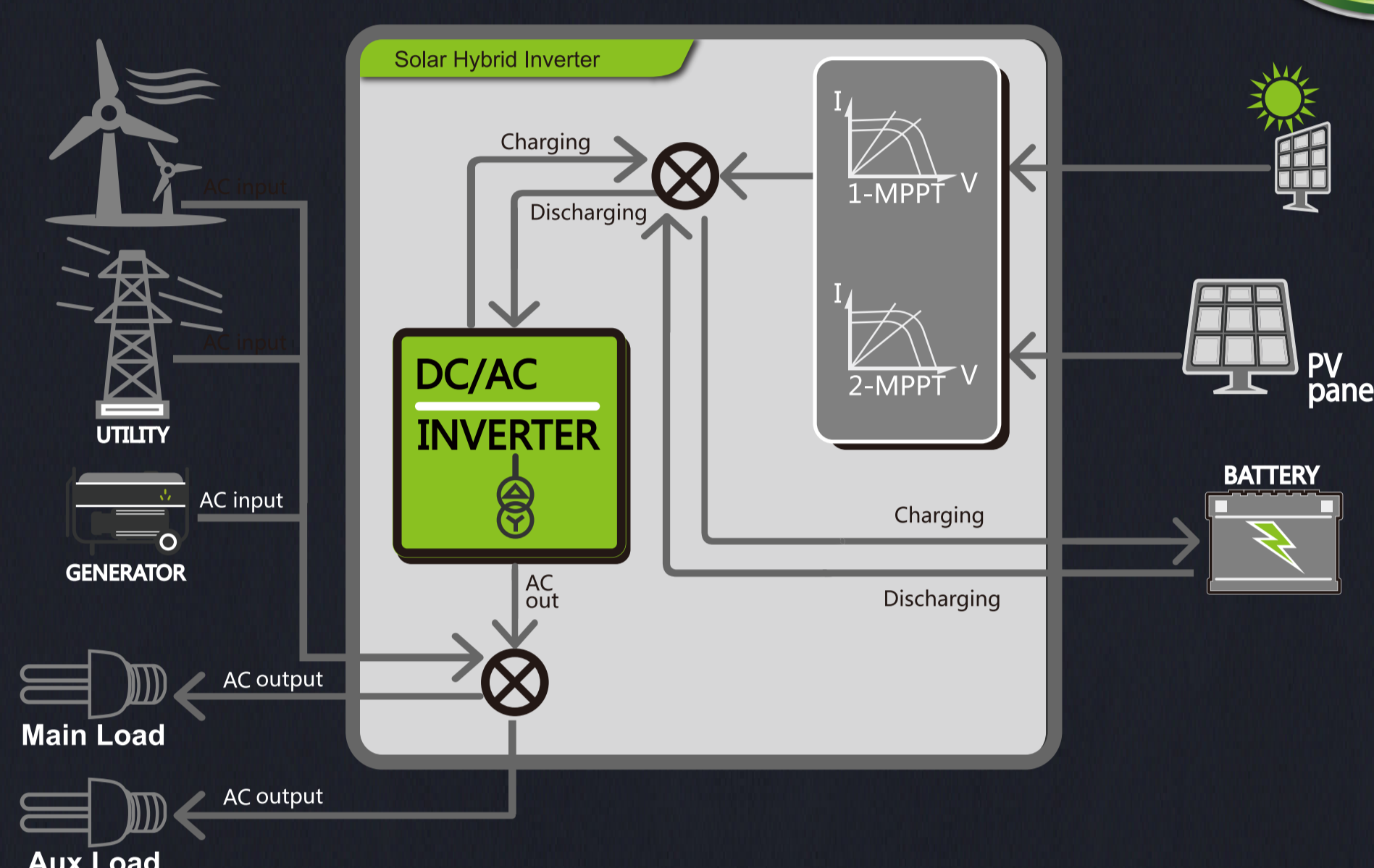


The Right Side Show



### Product usage scenarios

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### Special Features

- 50°C full-load output
- Intelligent battery management function
- Simplified system design due to two MPPTs
- Charge controller and inverter integrated
- Transformer isolated with higher reliability
- Capable of in parallel or three phase operation
- Pure sine wave main and aux output and lower THD
- Capable of being grid-interactive or grid-independent
- Applicable to residential and commercial storage solution
- Suitable to work with Li-ion, Lead Acid and Gel battery packs

### Product specification table

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Specifications			
MODEL TYPE	Accuby-4048T-ES	Accuby-5048T-ES	Accuby-5548T-ES
Rated output power	4000W	5000W	5500W
<b>PV INPUT:</b>			
Max. DC Power (@cosφ=1) total / per MPP Input	4500W / 2250W	5500W / 2750W	6000W / 3000W
Number of Independent MPP Inputs / Strings per MPP Input		2 / 1	
Nominal Input Voltage		200Vdc	
System Start-up Voltage		116V ± 10V	
Maximum PV Open Voltage		250Vdc	
MPP Voltage Range		96 - 225Vdc	
<b>EFFICIENCY:</b>			
Max. Efficiency (PV-AC)		96%	
Max. MPP Efficiency		99.9%	
<b>UTILITY BYPASS INPUT(CHARGE+LOAD):</b>			
Input Voltage Waveform		Pure sine wave (utility or generator)	
AC Input Voltage range		170-260Vac	
Max. AC Input current		30A	
Nominal Input Frequency		50Hz(default) / 60Hz (Auto detection)	
<b>CHARGE MODE(PV OR UTILITY):</b>			
Battery Type		Lead Acid (Li-Ion, Gel Optional)	
Charging curve		Bulk, Absorb, Float	
Battery voltage range		40-60Vdc	
Charge current		5-50A (programmable by battery capacity or charging time)	
Battery capacity		50-500Ah	
<b>INVERTER MODE(AC):</b>			
Power Factor		0~1.0	
Output phases		Single phase	
Output Voltage Waveform		Pure sine wave	
Nominal Output Voltage		230Vac ± 2%	
AC Output Voltage range (depending on Grid voltage)		184-264Vac	
Output voltage distortion		<3% for linear load; <5% for non-linear load	
Output Frequency(Hz)		50Hz ± 0.1Hz	
Over-Load Protection		60s@>110% load; 20s@≥150%	
Surge rating(Capable of starting electric motor)		2*rated power for 10s	
Transfer Time		<10ms (typical)	
<b>INVERTER MODE(AC):</b>			
Operating temperature range (°C)		-25~+60°C(derating from 50)	
Storage temperature (°C)		-40 to +70°C	
Humidity		0-100%, non-condensing	
Altitude (m)		2000 m (rising every 100m derating 1%)	
Regulatory approvals and standards		CE	
<b>GENERAL DATA:</b>			
Auxiliary output(Switches off when no external AC source available)		25A	
Device dimensions (W*H*D)		410*490*240 mm	
Protection category		IP21	
Mounting recommendation		Wall bracket	
Gross weight		33Kg	
Topology		Transformer	
Cooling		Fan forced cooling	
Noise level		<45dB(A) @ 1m	
LED display		Integrated	
LCD display		2-line LCD	
Warranty (Year)		5/10/15/20/25	
Communication Port		1*USB2.0(DSP/HMI updated); 2*RS485(RJ45: monitor device); WIFI (optional)	

## CONTACT

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