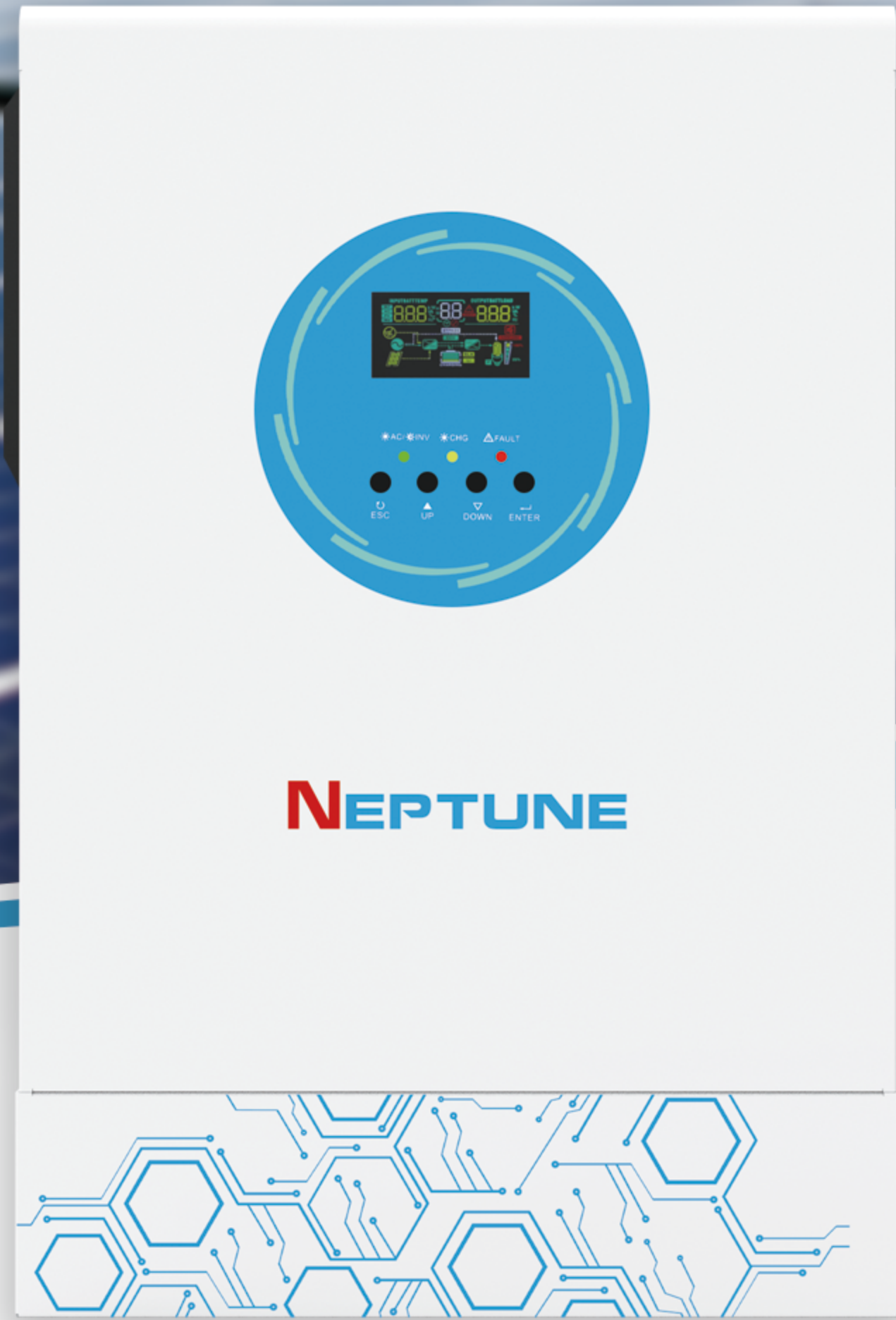


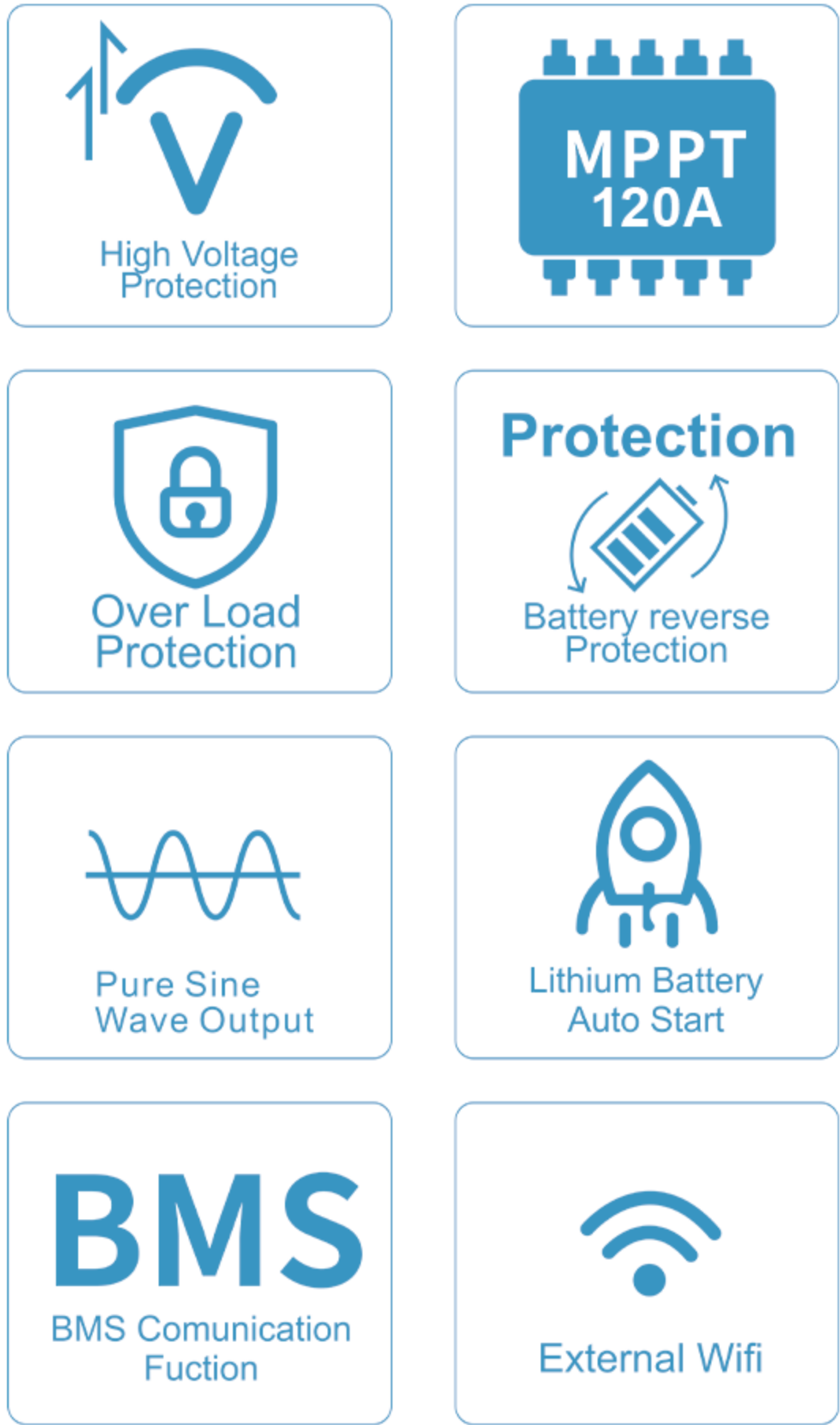
HYBRID SOLAR INVERTER

PT4000



FEATURE:

- **Built-in smart MPPT charger**
- **Enhanced inverter output power under PV mode**
- **BMS communication , support lithium battery**
- **Dual Output , automatically cut off heavy load when battery at low energy**
- **Pure sine wave, good performance for all kind of appliances**
- **Support WiFi monitoring**
- **Working with or without battery**



APPLICATION:



PT4000

-PARAMETERS-

PT 4000	
Phase	Single Phase
Nominal Voltage	220/230/240VAC
Voltage Range	90-280VAC±3V (Normal Mode) 170-280VAC±3V (UPS Mode)
Frequency Range	50Hz/60Hz(Adaptive)
OUTPUT	
Rated Power	4000W
PV Mode	4500W
Battery Mode/AC Mode	4000W
Output Voltage(AC)	220/230/240VAC±5%
Output Frequency	50/60Hz±0.1%
Dual Output Rated Power	Main Load: 4000W , Second Load : 4000W
Waveform	Pure Sine Wave
Transfer Time(Adjustable)	10ms for Computer , 20ms for Home Appliances
Peak Power	8000VA
Overload(Battery Mode)	105%~150% Load: 11s ; 150%~200% Load: 2s; >200% Load: 400ms
Peak Efficiency (Battery Mode)	>94%
GRID-TIE	
Output Voltage	220/230/240VAC
Feed-in Grid Voltage	170 - 264.5 VA
Feed-in Grid Frequency Range	49-51±1Hz/59-61±1Hz
Rated Feed-in Grid Current	17.4A
Peak Efficiency (DC/AC)	98%
BATTERY	
Battery Type	Lead-acid / Gel / Tubular /Lithium
Rated Voltage	24VDC
Constant Voltage Charging Voltage	28.2VDC (Adjustable)
Floating Charge Voltage	27VDC (Adjustable)
CHARGER	
PV Charging Method	Single MPPT
PV Max Input Power	6500W
MPPT Tracking Range	60~500 VDC
Best PV Voltage Range	300-400 VDC
Max PV Input Voltage	500 VDC
Max PV Input Current	27A
Max PV Charging Current	120A
Max AC Charging Current	100A
COMMUNICATION PORT	
RS232	For External WiFi device / Monitoring & Update
RS485	For BMS Communication
Dry Connect	Support sending signal to start generator
Parallel Connection	No
ENVIRONMENTAL PARAMETERS	
Operating environment temperature	-10~50℃
Operating environment humidity	20%~95% (Non condensing)
Storage temperature	-15~60℃
Altitude	The altitude should not exceed 1000m, derating above 1000m, up to 4000m
Noise	≤50db
Certifications	IEC 62109-1, IEC 62109-2, IEC 61683