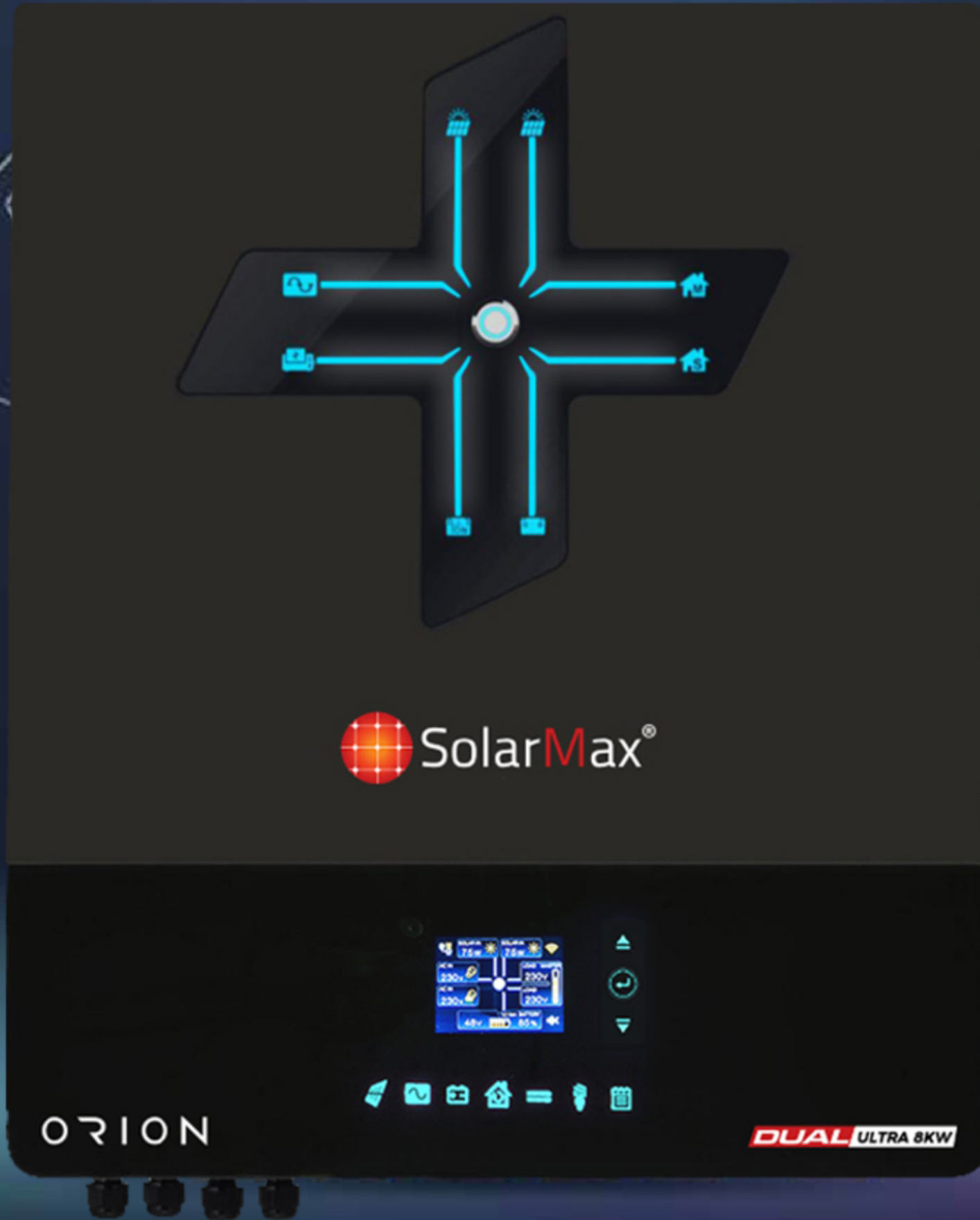
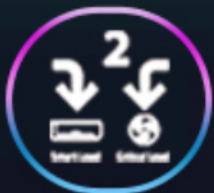


8KW SOLAR MPPT INVERTER

DUAL AC INPUT - DUAL AC OUTPUT



Dual AC Input Switched Automatically



DUAL AC OUTPUT (Main Load & Smart Load)



MPPT Range 60~450VDC



Max PV Voltage 500VDC



Max Charging Current 150V



Dual MPPT PV input 10KW



Works with & Without Battery 48V



Built-in BMS



Smart & Safe



Short Circuit Protection



Built-in Parallel Kit (6 Units can be parallel in single & Three Phase)



Power Status LED Lighting Indicators



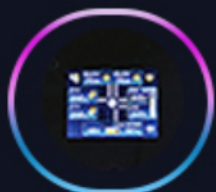
Pure Sine Wave



USB on-the Go Function



Built-in Wifi



Colored LCD with Slider Operation

LIFETIME FREE SERVICE WARRANTY

2 Years Unlimited Parts Replacement Warranty

*Terms & Conditions Apply



- Two independent AC power sources connected and switched automatically
 - Dual outputs, for smart load management



MODEL		SM-ORION-ULTRA-8KW
Rated Inverter Power	8000VA / 8000W	
PARALLEL CAPABILITY	6 Units in Single & Three Phase	
INPUT (Utility & Generator Power)		
Voltage	230 VAC	
Selectable Voltage Range	170-280 VAC (For Computers) 90-280 VAC (For Home Appliances)	
Frequency Range	50 Hz/60 Hz (Auto sensing)	
OUTPUT		
AC Voltage Regulation (Batt. Mode)	230VAC \pm 5%	
Surge Power	16000VA	
Waveform	Pure Sine Wave	
Transfer Time	10 ms (For Personal Computers), 20 ms (For Home Appliances)	
Dual AC Output(Main & Smart Load)	8000W	
BATTERY		
Battery Voltage	48 VDC	
Floating Charge Voltage	54 VDC	
Overcharge Protection	66 VDC	
SOLAR CHARGER & AC CHARGER		
Solar Charger type	MPPT	
Maximum PV Array Power	10000W (5000W x 2)	
MPPT Range @ Operating Voltage	90 ~ 450 VDC	
Maximum PV Array Open Circuit Voltage	500 VDC	
Maximum PV Input Current	27A x 2(MAX 40A)	
Maximum Solar Charge Current	150A	
Maximum AC Charge Current	120A	
Maximum Charge Current	150A	
INTERFACE		
Display	LED lighting indicators, colored LCD	
Communication Interface	Built-in USB/RS232/RS485/WiFi/Dry-contact/BTS Support optional GFCI, Rapid shutdown, AFCI detection	
External current sensor port	Yes, built-in current transformer sensor	
OPERATING ENVIRONMENT		
Humidity	5% to 95% Relative Humidity(Non-condensing)	
Operating Temperature	-10°C to 50°C	
Storage Temperature	-15°C to 60°C	
PHYSICAL		
Dimension, D X W X H (mm)	158.4 x 503.6 x 530.8	
Net Weight (kgs)	20	