

Orion Pro 6.2KW

DUAL **MPPT** Solar Hybrid Inverter



Built-in CT Function

To meet self consumption
Application



Reset ON/OFF Button

You can Reset and ON/OFF
manually



Sync with Generator

Auto Start



Parallel in Single & Three Phase

upto 9 Units



HMI Touch LCD Display

For real time status



2 Years Unlimited Parts Warranty
Lifetime free Service Warranty
* Terms & conditions apply

SM-ORION-PRO-6.2KW

PV Input (DC)



Max. PV Power	8000W
Max. PV Voltage	500 VDC
PV Input Voltage Range	120 VDC~500 VDC
MPPT Voltage Range	120 VDC~430 VDC
MPPT No. / Max. Input Current	2 / (18A + 18A)

Grid Output (AC)



Rated Power	6200W
Rated Output Power	7000W (PV + Battery), 6200W (Battery Only)
Nominal Output Voltage	220/230/240 VAC
Feed-in Grid Voltage Range	195.5~253 VAC
Feed-in Grid Frequency Range	49Hz ~ 51Hz
Nominal Output Current	30.44A
Rated Feed-in Grid Power	7000W
Power Factor Range	>0.99
Max. Efficiency (DC/AC)	96%
Grid Input Voltage Range	90~280 VAC (Appliances Mode) / 170~280 VAC (UPS Mode)
Grid Input Frequency Range	50 Hz/60 Hz (Auto sensing)
Transfer Time	<10ms (UPS), <20ms (Home Appliances)
Rating of AC Transfer Relay	40A

Battery



AC Output Voltage (Battery Mode)	220/230/240 VAC
Rated Power	6200W
Output Waveform	Pure Sine Wave
Nominal Output Current	27A
Efficiency (DC to AC)	93%
Nominal DC Voltage	48 VDC
Maximum Charging Current	120A

General



Dimensions (W×H×D) / Net Weight	138.4 × 295 × 491.8 mm / 14.0 kg
Communication	RS232/Dry-Contact/Built-in WiFi
Humidity	0 ~ 90% RH (Non-Condensing)
Parallel Operation	Yes
Operating Temperature	-10°C to 50°C

Product specifications are subject to change without further notice.