

APS Smart Inverter Spec Sheet



Model Name

APS 2000

APS 3000

APS 5000

Battery Specifications

Battery Compatibility	Flooded, AGM	Flooded, AGM, Lithium	Flooded, AGM, Lithium, BYD LFP
Battery Voltage	24 V	24 V	48 V
Minimum Battery voltage	21 V	21 V	42 V
Maximum Battery voltage	33 V	33 V	63 V
Maximum Charging Current	50A (configurable 10 A to 45 A)	80A (configurable 10A to 80A)	80A (configurable 10A to 80A)

AC Output Specification

Rated Power Output	2000W (4000W for 5 seconds)	3000W (6000W for 5 seconds)	5000W (10000W for 5 seconds)
Output Voltage	230 V \pm 5%	230 V \pm 5%	230 V \pm 5%
Output Frequency	50 Hz	50 Hz	50 Hz

Solar Specifications

Max Open Circuit PV Voltage	80V	500V	500V
Charge Controller Operating Voltage Range	30-32V	120-450V DC	120-450V DC
PV Arrangement (Example 30.1V Vmp, 250Wp)	1 in Series, 4 in Parallel	8 in Series	8 in Series, 2 Sets in Parallel
Charge Controller	50A PWM	80A MPPT	80A MPPT
Maximum Solar Power kWp	1.2 kWp	2 kWp	4 kWp

AC Input Specifications

AC Input Voltage Range	170 (90*) to 280 Volt AC	170 (90*) to 280 Volt AC	170 (90*) to 280 Volt AC
AC Input Frequency Range	40-65 Hz	40-65 Hz	40-65 Hz
AC Charging Current	20A	60A	60A

Additional Technical Detail

Transfer Time	10 (20*) ms	10 (20*) ms	10 (20*) ms
Efficiency	~93%	~93%	~93%
Dimensions	Height: 400mm Width: 238mm Depth: 132mm	Height: 550mm Width: 310mm Depth: 136mm	Height: 550mm Width: 310mm Depth: 136mm
Weight	7.3kg	12.0kg	13.2kg
Operating Temperature	- 10°C to 50°C	- 10°C to 50°C	- 10°C to 50°C
Humidity	5% to 95% relative humidity	5% to 95% relative humidity	5% to 95% relative humidity
Extended Warranty	3 Years	3 Years	3 Years
Input Breaker	Yes	Yes	Yes
Connectivity	GPRS, BT, WiFi	GPRS, BT, WiFi, RS-485	GPRS, BT, WiFi, RS-485
Monitoring Frequency	1 second	1 second	1 second
Cloud Upload Frequency	10 minutes	10 minutes	10 minutes
Displays	2.4" and 1" OLED	2.4" and 1" OLED	2.4" and 1" OLED
Sensors	Temperature	Temperature	Temperature
Cable Glands	No	Yes	Yes
Wall Mounting Kit	Included	Included	Included
Intelligent Load Control	No	No	Optional - 8 Way Relay based output with current sensors
Country of Manufacture	UK	UK	UK