

DELUX[®]

RELIABLE, EFFICIENT INTELLIGENT.

POWER BEYOND LIMITS

POWER BOOST



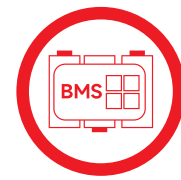
PURE SINE
WAVE



OVER LOADP
ROTECTION



SHORT CIRCUIT
PROTECTION



BUILT IN
BMS



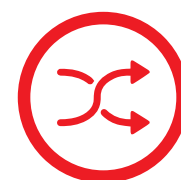
PV INPUT
9KW



MPPT VOLTAGE
RANGE 60-450



WORKS WITH &
WITHOUT BATTERY



DUAL
OUTPUT



POWER BOOST

MAVIX

SERIES



TERMS & CONDITIONS APPLY

PV9000

5KW DUAL OUTPUT

SPECIFICATION



Model	MAVIX 5kW-24V
Rated Capacity	5000 W
PV Input	
PV Maximum Input Power	9000 W
Max. PV Open Circuit Voltage	500 VDC
MPPT Range Operating Voltage	60 ~ 450 VDC
Max. Solar Input Current	28 A
Battery Specifications	
Battery Type	Lithium and Lead-acid
Nominal Battery voltage	24 V (2*12 V)
AC Input	
Nominal voltage	208 / 220 / 230 / 240; L + N + PE
Voltage Range	90 ~ 280 ±3 (normal mode); 170 ~ 280 ±3 (UPS mode)
Frequency	50 / 60 Hz (Auto Adaptive)
AC Output	
Rated Capacity	6250 VA / 5000 W
Second Output Capacity	4150 VA / 4150 W
Surge Power	15000 VA
Parallel	/
Waveform	Pure Sine Wave
Nominal Voltage	208 / 220 / 230 / 240 VAC
Feed-in Grid Voltage Range	195 ~ 253 VAC
Nominal Frequency	50 / 60 Hz
Feed-in Grid Frequency Range	49 ~ 51 Hz ±0.1% / 59 ~ 61 ±0.1%
Transfer Time	10 ms UPS mode 10 ms Appliance mode
Peak Efficiency (PV to INV)	96.00%
Peak Efficiency (Battery to INV)	92.50%
Overload Protection	1min@102%< Load ≤110% 10s@110%<Load ≤130% 3s@130%<Load ≤150% 200ms@Load>150%
Admissible Power Factor	-0.8~+0.8
Charger Specifications (Solar Charger & AC Charger)	
Charging Voltage	FV MODE: 27 V settable: 26.6~27.8 V CV MODE: 28.2 V settable: 28~29 V
Battery Over Voltage	30.5 V
Charging Current	2 ~ 160 A
Max.AC Charge Current	160 A
Max PV Charge Current	160 A
Max. Charge Current (PV+AC)	160 A
Physical	
Built-in Transfer	Yes
Built-in Power Booster	Yes
Dimensions, D × W × H (mm)	394 × 326 × 110
Net Weight (Kg)	10
Communication Interface	RS485 / RS232 / USB / Dry Contact
Environment	
Ingress Protection	IP21
Operating Temperature Range	-10 °C ~ 50 °C
Storage Temperature	-15 °C ~ 60 °C
Humidity	5% ~ 95% (Non-condensing)

