

DELUX[®]

RELIABLE, EFFICIENT INTELLIGENT.

EMPOWERING THE FUTURE



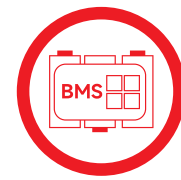
PURE SINE
WAVE



OVER LOADP
ROTECTION



SHORT CIRCUIT
PROTECTION



BUILT IN
BMS



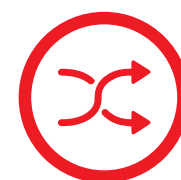
PV INPUT
3KW



MPPT VOLTAGE
RANGE 30-400



WORKS WITH &
WITHOUT BATTERY



DUAL
OUTPUT

MAVIX

SERIES



TERMS & CONDITIONS APPLY

PV3000

2KW DUAL OUTPUT

SPECIFICATION



MODEL	MAVIX 2kW-12V
	Battery Input Data
Battery Type	Lead-acid or Lithium-ion
Battery Voltage(V)	12
Max. Charging Current(A)	100
Max. Discharging Current(A)	150
Charging Strategy for Li-ion Battery	Self adaption to BMS
Number of Battery Input	1
	PV String Input Data
Max.PV access power(W)	3750
Max.PV Input Power(W)	3000
Max.PV Input Voltage(V)	450
Start-up Voltage(V)	40
MPPT Voltage Range(V)	30-400
Rated PV Input Voltage(V)	170
Max.Operating PV Input Current(A)	18
No.of MPPT Tackers/String Per MPPT Tracker	1/1
	AC Output Data
Rated AC Output Power(VA/W)	2KW @PV + Bat 1.6KW @Bat
Max.AC Output Power(VA/W)	2000
Peak Power(W)	4000
Rated Output Voltage(V)	230
Number of AC output ports	2
Output Type	L+N+PE
Rated Output Frequency(Hz)	50/60
Total Current Harmonic Distortion THDi	<3% (of nominal power)
	AC Input Data
Max.Input Power to Battery(W)	1600
Rated Input Voltage(V)	230
Voltage Range (V)	90~300
Rated Input Frequency(Hz)	50/ 60 (auto-detect)
Bypass Current(A)	17
	Efficiency
Peak Efficiency(Battery to INV)	≥ 91%
Peak Efficiency(PV to INV)	>95%
MPPT Efficiency	>99%
	Interface
Communication Interface	RS485(BMS)
	General Data
Permissible Altitude (m)	-10~60
Permissible Ambient Humidity	5-95%
Permissible Altitude(m)	2000
Noise(dB)	55
Ingress Protection(IP) Rating	IP54
Inverter Topology	Non-Isolated
Cabinet Size(DxWxH mm)	102x281.5x339
Weight(kg)	5
Warranty	3 Years Free Service Warranty
Type of Cooling	Intelligent Air Cooling
Safety EMC/Standard	IEC/EN 62109-1, IEC/EN 62109-2