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POWER-NEXUS

SPEC SHEET

PREMIUM, LITHIUM-ION PHOSPHATE BATTERIES

SPECIFICATIONS

Model	Power-Nexus
BATTERY SPECS	
Nominal Voltage [V]	51.2V
Nominal Capacity	100Ah
Nominal Energy	5120Wh
Operating Voltage	48V~56V
Operating Temperature	Charge: 0°~45°C; Discharge: -10°~55°C; Storage: -10°~45°C
BMS Protection	Overcharge, Overdischarge, Overcurrent, Shortcircuit, Over temperature protections
Cycle Life	≥4000 cycles @ 80%DOD, 0.5C & 25°C
Battery type	Lithium LiFePO4
AC SPECS	
Rated Output Power	3kW
Max. Peak Power	6kVA
AC Output Voltage	230V (L/N/PE Single Phase)
AC Output Frequency	50Hz / 60Hz
AC Input Voltage	220 / 230V
AC Input Frequency	50Hz ± 0.3Hz / 60Hz ± 0.3Hz
Output Wave Form	Pure Sine Wave
Transfer Time (UPS)	10ms (Typical Value)
Inveter Efficiency	92%

GENERAL INFO

AC Output Port	3x AC Output (South Africa socket)
AC Input Port	1x AC Input Port
DC Input	MC4 Connector
DC Output	2x 5V 2A USB Port
Enclosure Protection	IP20
Dimensions [L-W-H]	710mm - 339mm - 581mm
Weight	66KG
Humidity	≤95%
Warranty	2 Years
Certification	Battery Cell: UL1973/IEC62619/ CE/UN38.3/UN38.3; Inverter: CE/UL/IEC/FCC/ ROHS/SAA Whole product: CE(EMC+ LVD)/IEC62368

PV SPECS

Max. Input Power	3400W
Max. Input Current	60A
Max. Open Circuit Voltage	145V
MPPT Voltage Range	60-145Vdc
No. of MPPT	1
MPPT Efficiency	99.9%

GENERATOR SPECS

Input Voltage	220 / 230V
Input Frequency	50Hz

FEATURES

- 5kWh backup storage
- LiFePO4 Lithium battery providing a longer service life
- Plug and play
- Mobile
- LCD display

ALL-IN-ONE Solar Energy storage system





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