



Encore 15K

Input (PV)

Max. Power [kW]	22.5
Max. DC Voltage [V]	1000
Max. Input Voltage [V]	700
MPPT Voltage Range [V]	180~850
Max. Input Current of Single MPPT [A]	13/13
MPPT Tracker/Strings	2
Max. Number/Max. Input Strings Number	1/1

AC Output

Rated Output Power [kVA]	15
Max. Output Current [A]	23.8
Grid Voltage/Range [V]	230/176~270
Frequency [Hz]	50/60
THDi [%]	<3

Battery

Battery Voltage Range [V]	125~600
Battery Working Voltage Range [V]	150~550
Max. Charge/Discharge Current [A]	50
Battery Type	Lithium/Lead-acid
Communication Interface	LCD;APP / RS485, CAN / WIFI / GPRS / 4G

EPS Output

Rated Power [kVA]	15
Nominal Output Voltage [V]	400, 3W+N+PE
Rated Output Current [A]	23.8
Rated Frequency [Hz]	50/60
THDv [%]	<2

General Data

Battery Charge/Discharge Efficiency [%]	97.8
DC Max. Efficiency [%]	97.6
Europe Efficiency [%]	97.8
MPPT Efficiency [%]	99.9
Ingress Protection	IP65
Noise Level [dB]	<25
Operating Temperature [°C]	-25 to +60°C
Cooling	Natural
Storage/Operation Relative Humidity	0~100% (non-condensing)
Altitude [m]	4 000 (derating above 2 000)

Notes to Specification Sheet

1. AC/DC Protection: The inverter includes both AC and DC protection however, the installer must still adhere to SANS regulations.
2. Surge Protection: DC Type II / AC Type II.
3. Over Voltage Category: DC Type III / AC Type III.
4. Integrated Protection: PV Input Lightning Protection, Anti-Islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current protection, Output Overcurrent Protection, Output Short Circuit Protection.
5. Wifi Gateway: The inverters are equipped with a WIFI gateway that uses the Solarman monitoring platform. (WIFI only, no Ethernet).



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Dimensions - H x W x D [mm]	566x596x220
Crated Dimensions - H x W x D [mm]	660x720x330
Weight [kg]	32
Night-time consumption [W]	<3
Safety Compliance	
Safety Standard	IEC/EN 62109-1:2010, IEC/EN 62109-2:201
EMC	IEC/EN 61000-6-1:2019, IEC/EN 61000-6-2:2019, IEC/EN 61000-6-3:2021, IEN/EN 61000-6-4:2019, IEC/EN 61000-3-2:2019/A1:2021, EN 61000-3-3:2013/A2:2021, IEC/EN 61000-3-11:2019, EN 61000-3-12:2011
Certificates	South Africa NRS, IEC 62109-1/-2, IEC 61000-6-1, IEC 61000-6-3

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