



Encore Inverter Range

Encore 8K Single Phase

Input (PV)

Max. power(kW)	12
Max. DC voltage(V)	500
MPPT voltage range(V)	120-500
Max.input current of single MPPT(A)	12/12
MPPT tracker/strings	4/1

AC output

Rated output power(kVA)	8
Max. output current(A)	38.3
Grid voltage/range(V)	230/176-270
Frequency (Hz)	50/60
Displacement Power Factor	0.8lagging-0.8leading
THDi	<3%

Battery

Battery voltage range(V)	40-60
Max. charging voltage(V)	58
Max. charge/discharge current(A)	190/190
Battery type	Lithium /Lead-acid
Communication interface	CAN/RS485/WiFi/LAN/DRM

EPS output

Rated power (kVA)	8
Rated output voltage(V)	230
Rated output current(A)	38.3
Rated frequency (Hz)	50/60
Automatic switching time (ms)	<20
THDv	<2%





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General data

Battery charge/discharge efficiency	95.0%
DC Max. efficiency	97.2%
Europe efficiency	97.8%
MPPT efficiency	99.9%
Ingress protection	IP65
Noise level (dB)	<40
Operation temperature(C)	-25~60(derating at 45)
Cooling	Natural
Storage/Operation Relative humidity	4 ~100%(non-condensing)
Altitude(m)	<2,000
Dimensions W * D * H (mm)	430*220*710
Weight (kg)	41
Night-time consumption(W)	<3

Safety Compliance

Safety Standard	IEC/EN62109-1/-2, IEC/EN62477-1, EN 62109-2
EMC	IEC 61000-6-1/-2/-3/-4, IEC 61000-3-11, IEC61000-3-12
Certificates	South Africa NRS, IEC 62109-1/-2, IEC 61000-6-1, IEC 61000-6-3



Current Automation
POWER SOLUTION PROVIDERS

JHB: Tel: 011 462-4253 / Tel: 010 591-1713
KZN (Durban): Tel: 031 569-2854
CPT (CapeTown): Tel: 021-300-1727
Mbombela: Tel: 013 004-0012
Tshwane: Tel: 012 763-9300