

OUTDOOR ESS: AIR COOLED

IES 80-A ~ 128-A



Scalable Capacity Up
to 128 kWh



Zero - Maintenance
Air Cooling



Industrial - Grade
IP55 Enclosure



High - Safety LFP System
With Multi-Level BMS



Intelligent Cloud
Monitoring & Control



Rapid Plug-and-Play
Deployment

INFINITE | ENERGY | STORAGE

www.ies.co.za | 021 773 0203 | support@ies.co.za | 066 225 4717

Outdoor ESS Air Cooled	IES 80-A	IES 96-A	IES 112-A	IES 128-A
Cell Technology	LFP (LiFePO4 / 314 Ah)			
Battery Module	16.0768 kWh, 51.2 V			
Number of Modules	5	6	7	8
Battery Usable Energy [1]	80.384 kWh	96.4608 kWh	112.5376 kWh	128.6144 kWh
System Nominal Voltage	256 V	307.2 V	358.4 V	409.6 V
System Operating Voltage	224 ~ 288 V	268.8 ~ 345.6 V	313.6 ~ 403.2 V	358.4 ~ 460.8 V
Max. Charge & Discharge Current	157 A			
Recommend Depth of Discharge	90%			
Charge / Discharge Rate	0.5 C			

OTHER PARAMETERS

Dimension (W×D×H)	780 × 1257 × 2373 mm 30.71 x 49.49 x 93.43 inch			
Weight	1264 kg (2786.64 lbs)	1376 kg (3033.56 lbs)	1488 kg (3280.47 lbs)	1600 kg (3527.39 lbs)
Installation	Floor stand			
Operating Temperature [2]	Charge: 0°C to 50°C (32°F to 122°F) Discharge:-20°C to 50°C (-4°F to 122°F)			
Environmental Humidity	0 ~ 95% (No Condensation)			
IP Protection	IP55			
Anti Corrosion Level	C4-M			
Warranty Period [3]	10 Years			
Cooling method	Forced Air Cooling			
Altitude	≤4000 m(> 2000m Derating)			
Display	LCD Display (battery operating status, SOC, alerts, etc.)			
Communication	CAN / RS485/ Bluetooth+ WIFI			
Scalability	Up to 10 in Parallel			
Compatible Inverters	Refer to compatible Hybrid Inverter list			
Cycle Life	8 000 cycles (25±2°C, 0.5C / 0.5C, 70% SOH)			
Fire Protection System	Gas fire fighting (aerosol): cabinet level, water fire fighting, smoke sensing, temperature sensing, pressure relief valve			

STANDARD COMPLIANCE

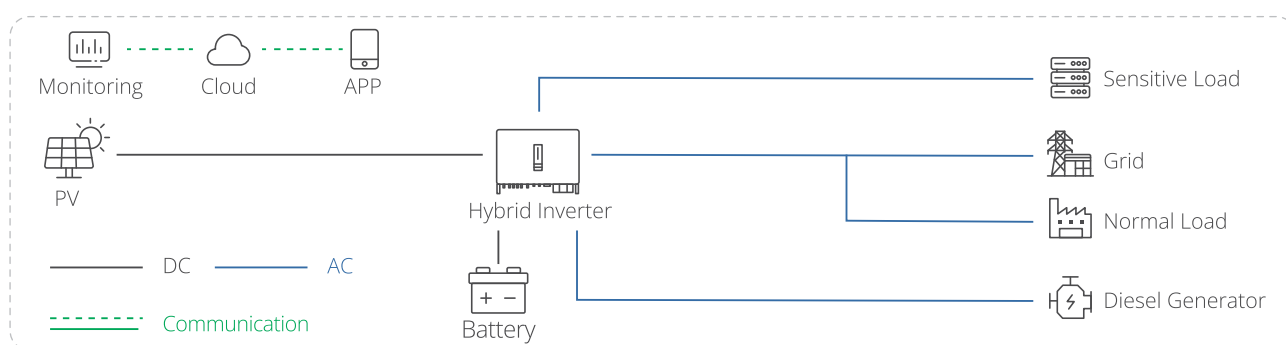
Compliance	UN38.3/IEC62619/63056/60730/IEC6100-6-2/IEC62477-1
------------	--

[1] Test conditions: 100% depth of discharge (DOD), 0.5C rate charge & discharge at 25°C.

[2] Charge/discharge derating occurs when the temperature is below 0°C or above 45°C.

[3] Please refer to the Warranty Letter for applicable conditions.

SYSTEM DIAGRAM



INFINITE | ENERGY | STORAGE

www.ies.co.za | 021 773 0203 | support@ies.co.za | 066 225 4717