

XES-30

The XES is a rental ready energy storage system that integrates with diesel generators to optimize efficiency of power generation and consumption while reducing noise, emissions and fuel waste by minimizing engine run-time and maximizing use of stored energy.

XES constantly monitors load and state of charge, automatically starting the generator when the batteries need to recharge.

Key benefits:

- Protects generator from low load running hours
- Minimizes generator emissions
- Conserves fuel
- Extended periods of silent power
- Extended generator service intervals

Portable Solar Trailers Available For Rent



MODEL	XES-30.60/208
Volts	208
kVA	30
kWh	56.8
Phase	3

MODEL #		HES-30.60/208		
POWER	Output (stand alone)	Standby Rating 30 min (kVA) @ 77°F ¹	30	
		Prime Rating (KW) @ 77°F / 104°F ¹	24 22.2	
	Output (when external source available)	Maximum Load per Phase Before Generator Start Command (kW) ^{1,2}	20.4 (Immediate Start) 18 (5mins)	
		Maximum Load (all phases) Before Generator Start Command (kW) ⁵	17.9 (3 hours)	
	Combined System Output	Continuous Pass Through per phase (External Source Only) (A)	100	
		Max Combined Output per phase (External Source + XES) (A) ¹	150	
		Max Power Assist (kVA) ¹	25	
	Input/Output	AC Input Voltage Range (V)	208 (173 - 242)	
		AC Output Voltage - 60 Hz (V)	208	
		Input Connections	CAM Type Connectors, Power Terminals & NEMA (5-15P) 15A 120V Inlet	
Output Connections		CAM Type Connectors, Power Terminals & NEMA (5-20R) 20A 120V Outlet		
Protection		Overload, Overheat, Short Circuit		

STORAGE	Type	LFP (Lithium Iron Phosphate)
	Nominal Capacity @ 77°F (kWh)	56.8
	Charge Time (hours) @ 77°F ³	3h30'
	Maximum Efficiency @ 77°F	90%
	Battery Management System	Industrial Grade Intelligent Passive BMS Optimised for XES Applications
	Expected Cycle Life (To 80% Original Capacity)	6,000
	Maintenance Charge Cycle	≤ 3 weeks

CONTROL	Control Panel	ECM 7" Touch Screen Control Module
	Temperature Control	Analogue Voltage Controlled Forced Air Cooling
	Remote Generator Start	Dry Contact Relay
	Remote Communication	3G/4G Dual SIM Modem/Router

ENVIRONMENTAL	Water/Ingress Protection Rating	NEMA 3
	Operating Temperature Range (°F) ⁴	10 - 122 (Optional Heater available)
	Sound Level (dBA) @ 0% / 100% Fan Speed	Acoustic Pressure @ 3m: 0 / 66

MECHANICAL	Dimensions L x W x H (mm / inches)	1140 x 1450 x 1730 / 44.88 x 57.08 x 68.11
	Weight (kg/lbs)	1360 / 3000
	Lift Points	Forklift Pockets, Lift & Drag Skid

¹ Depending on battery bank SoC ² Multiple start conditions available upon request for bespoke applications. ³ Charge time dependent on available power of external source and operating temperature. ⁴ When the internal battery temperature reaches below 32°F or above 113°F, the charge current is reduced to 0.05C to protect the batteries. ⁵ Without exceeding Max. Load per Phase