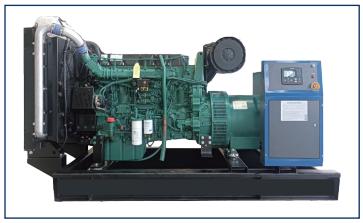
GRID
INFRASTRUCTURE SOLUTIONS

DIESEL GENERATOR SET & STORAGE SYSTEMS



Diesel Generator Set & Storage System



Diesel Generator Set



EMS



PCS + LiFePo Battery + Fire Protection

Applications:

This Hybrid Energy Power Plant is a distributed power supply system specially developed for off-grid operations, construction, mining, oil field drilling, and data center backup. It combines both diesel power generation and battery storage, in a single trailer-sized package.

Features:

- **Unmatched Flexibility:** The hybrid energy system integrates the energy storage system and the diesel generator in the standard container, convenient for transportation and easy to transfer.
- **Energy Security:** The system features a high life-cycle battery technology as the primary source of power, with a built-in generator providing recharge or helping when loads are elevated, producing sustained power in virtually any environment.
- **Low Costs:** Integrated battery technology will reduce operating expenses and all models also include intelligent monitoring to manage power anytime, ensuring additional cost savings and more control.
- **Low Emissions:** The hybrid energy solution is more efficient than standalone generators; new LiFePo battery technology reduces the generator runtime and significantly reduces emissions.
- **Certified Quality:** All products are factory-assemled, wired, and tested to exact customer specifications; and manufactured to meet or exceed all applicable ANSI, NEMA®, IEEE® standards.

Lead Time:

Approximately **18-30 months** after drawings approved.

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DIESEL GENERATOR SET & STORAGE SYSTEMS

Model Options		RDES - 600	RDES - 500	RDES - 300	Notes
Diesel Generators	Standby Power	330 kW	330 kW	176 kW	
	Rated Power	300 kW	300 kW	160 kW	
	Continuous Power	240 kW	240 kW	128 kW	
Battery Energy Storage System	Storage Capacity	175 kWh	125 kWh	75 kWh	
	Rated Power	175 kW	125 kW	75 kW	
	Peak Power	275 kW	250 kW	150 kW	
System Assembly	Peak Output	605 kW	580 kW	320 kW	
	Continuous Power	415 kW	365 kW	203 kW	*The energy storage works continuously for 1 hour*
	Rated Output	475 kW	425 kW	235 kW	
Enclosure Dimensions		255 x 96 x 115 (in) 6458 x 2438 x 2896 (mm)	255 x 96 x 115 (in) 6458 x 2438 x 2896 (mm)	184 x 96 x 115 (in) 4658 x 2438 x 2896 (mm)	*L x W x H (in)* *L x W x H (mm)*
System Weight		11 tons	10.5 tons	6 tons	*Approx.*
Performance & Safety Specifications					
Rated Output Voltage		380/400V AC	380/400V AC	380/400V AC	
Rated Output Frequency		60Hz	60Hz	60Hz	
Working Temperature		-4° F ~ 113° F -20° C ~ 45° C	-4° F ~ 113° F -20° C ~ 45° C	-4° F ~ 113° F -20° C ~ 45° C	
Storage Environment Temperature		-22° F ~ 131° F -30° C ~ 55° C	-22° F ~ 131° F -30° C ~ 55° C	-22° F ~ 131° F -30° C ~ 55° C	
Working Relative Humidity		0 ~ 95%	0 ~ 95%	0 ~ 95%	*Without Condensation*
System Noise		75 dB	75 dB	75 dB	
Protection Level		IP54	IP54	IP54	
Communication Interface		RS485, CAN. ETH. 4G			

GRID INFRASTRUCTURE SOLUTIONS
5 Park Plaza, Suite 640
Irvine, CA 92614

Email: sales@grid-infrastructure.com
Phone: +1 (949) 570-8998
Website: grid-infrastructure.com