

AMPD ENERTAINER



The AMPD Enertainer is an advanced compact and connected giant battery energy storage system which eliminates or reduces the size of diesel generators on construction sites, promoting emission-free future for construction. Available in various configurations the battery-powered system is designed for the tough, dynamic and space-constrained needs of a construction site.

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Significant cost savings



Minimise carbon footprint



Maximise productivity



Ultra low noise productivity



Enhance on-site safety



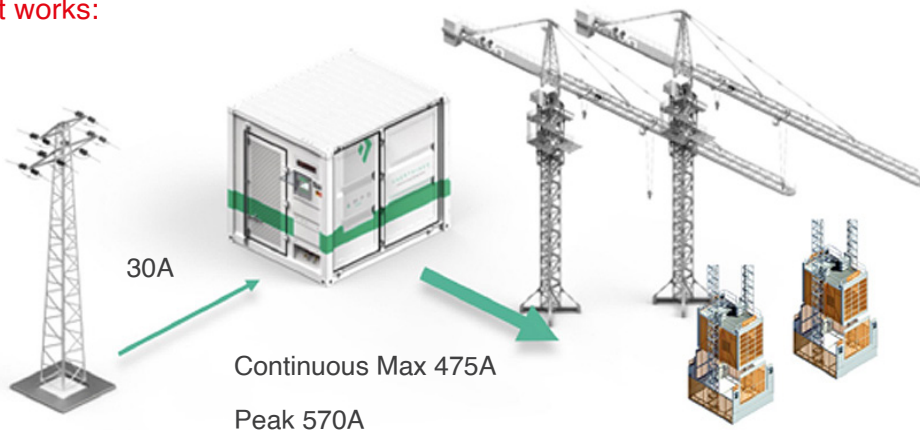
Internet connected 24x7

Product Benefits:

- Eliminates or reduces diesel generators used for large equipment
- Significant savings on running costs and reduction of CO₂ emissions
- Potential for zero on-site emissions if recharged via grid electricity
- Apply for smaller grid connection (potentially even LV instead of HV)
- Saves electricity costs
- 24/7 remote data collection
- Continues to operate during power outages
- Space saving on-site

Up to 90% reduction in CO₂*

How it works:



Example Applications:

- Tower Cranes
- Hoists
- Lights
- Mast Climbers
- Mortar Silo
- Pumps

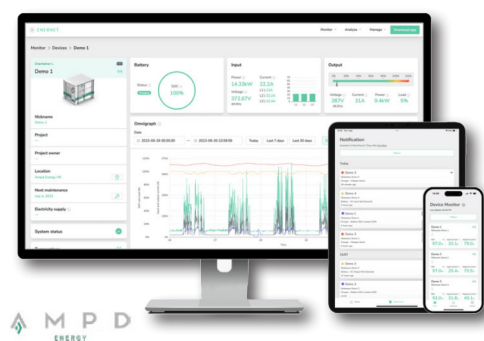
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Specification:		
Parameter		Specification
Model		Entertainer M
Maximum output power	Peak (<1 minute)	570 A
	Continuous	475 A
Energy storage subsys. chemistry		Lithium-ion NMC
Example applications:		Tower cranes, material hoist, passenger hoists, welders, bar benders, grouting stations
Rating	Power conv.subsystem type	Heavy-duty, modular power conversion system
	Input voltage	380 - 400 VAC -15%/+7% (3Ph + N + PE)
	Maximum input current	90 A
	Output voltage	380 - 400 VAC ± 5% (3Ph + N + PE)
	Output frequency range	50 Hz ± 0.5 Hz
Thermal management subsystem	Type	Industrial, wall-mounted recirculating air-conditioning system
	Number of cooling units	2 units
	Refrigerant type	R134a
Mechanical	Dimensions (L x W x H)	3.05 m (L) x 2.44 m (W) x 2.60 m (H) (10' container)
	Net weight	6.9 tons
	Fire extinguishing subsystem	Aerosol fire suppression system
	Ingress protection	Designed to IP 55, NEMA 4/4X* (rain and snow proof)
	Operating temperature	-20 to 45°C external ambient temperature
	Sound level ³ at full load	85-89 dB(A) (32 quieter vs.comparable diesel generator)
	Sound pressure level at full	57-61 dB (A) (at 7 metres)
Connectivity	Mobile Data (4G)	
Expected lifetime	10+ years	

Enernet:

The Enernet is an all-in-one online portal connecting directly to all Enertainers. Enernet provides a deep level of data transparency on the operations of Enertainers and the equipment attached to it anytime, anywhere.

This level of data transparency allows better understanding of the operations and condition of construction equipment while ensuring the uninterrupted provision of energy to construction sites, enabling better, faster, and more informed decisions, improving the productivity and operational efficiency of sites.



* Please note that fuel consumption was estimated based on specification sheets available from the manufacturer's. Diesel costs were estimated at £1.60/L for stage 3 generators and £1.99 for stage 5 generators (due to additional ad blue costs). CO2e emissions were estimated using the DEFRA 2023 value of 2.51 kg of CO2e per litre of diesel consumed and did not include WTT factors. These CO2e values are purely indicative and do not represent actual values due to varied use cases and specific emissions associated with the differing emissions scrubbing capabilities of the different generators. CO2e associated with grid electricity consumption were not included due to wide variations depending on use case and this comparison focusing on scope 1 emissions.