Ampd Enertainer

Up to 90% reduction in CO_2 & OPEX

The Ampd Enertainer is an advanced energy storage system which provides diesel-free power for the next-generation of construction projects. Available in various configurations, the Ampd Enertainer is designed for the tough, dynamic and space-constrained needs of construction sites, without compromise.

Significant Cost Savings

Up to 75% lower all-inclusive OPEX[1] & lower total cost of ownership

Ultra Low Noise Footprint

32 times quieter[1], enabling use during noise sensitive hours

Minimise Carbon Footprint

Up to 90% carbon reduction[1] & zero direct NO_X, PM & SO_2 fumes

Enhance On-Site Safety

Eliminate diesel fire hazards & reduce on-site diesel storage quantity

Maximise Productivity

Zero recharging downtime and near-zero annual maintenance downtime

Internet Connected, 24x7

Connect to the Enertainer's IoT platform, anywhere & any time

[1]Compared to generators of a similar capacity

Using energy storage technologies which are tested and certified to international standards (UL, UN, CE/UKCA, and IEC standards), the Ampd Enertainer is designed to:

- be rugged, robust and built to last (up to 10+ years expected operating life);
- deliver extremely high levels of reliability through a redundancy, modular design and
- operate safely, even in tough environments.

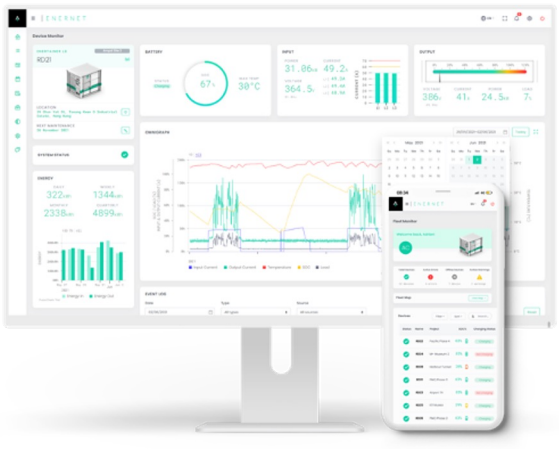
For more information or a no-obligations consultation on how the Enertainer could benefit your project, **please contact us at +44 75 64 05 2482 or at sales@ampd.energy**

Ampd Enertainer

Key Specifications[1]

Parameter		Specification		
Model		**Enertainer F**	**Enertainer M**	**Enertainer L**
Maximum output power	Peak (<1 minute)	342 A	570 A	795 A
	Continuous	285 A	475 A	665 A
Energy storage subsystem chemistry		Lithium-ion NMC		
Example applications		Tower cranes, material hoist, passenger hoists, welders, bar benders, grouting station		
Rating	Power conversion 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)[2]	3.05 m (L) x 2.44 m (W) x 2.60 m (H) (10' container)		
	Net weight	6.5 tons	6.9 tons	7.9 tons
	Fire extinguishing subsystem	Optional (based on customer requirements)		
	Ingress protection	Designed to IP 55, NEMA 4/4X* (rain, typhoon, and snow proof)		
	Operating temperature range	-20 to +45 °C external ambient temperature		
	Sound power level[3] at full load	85-89 dB(A) (32 times quieter vs. comparable diesel generator)		
	Sound pressure level at full load	57-61 dB(A) (at 7 meters)		
Connectivity		Cellular data (4G)		
Expected Lifetime[4]		10+ years		

* For DC room



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.

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[1]In the interests of continual product improvement, specifications are subject to change without notice. Please contact us for the latest specifications.

[2]An additional 0.9 m clearance on all sides of the Enertainer should be provided for maintenance access.

[3]ISO 3746:2010 measurement methodology.

[4]Provided for guidance purpose. Life is defined as the ability of the Enertainer to provide the specified rated power. Actual life may vary and will depend on factors such as (but not limited to): (i) operating temperature; (ii) quality of maintenance of the system; (iii) frequency of use; and (iv) time duration spent at different battery states.