

# Ampd Enertainer

Up to 85%  
reduction  
in CO<sub>2</sub> &  
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<sup>1</sup> & lower total cost of ownership



## Ultra Low Noise Footprint

32 times quieter<sup>1</sup>, enabling use during noise sensitive hours



## Minimise Carbon Footprint

Up to 85% carbon reduction<sup>1</sup> & zero direct NO<sub>x</sub>, PM & SO<sub>2</sub> 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

<sup>1</sup>Compared to generators of a similar capacity

Using energy storage technologies which are tested and certified to international standards (UL, UN, CE, IEC, IEEE and ENA 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.

The Ampd Enertainer is a **CITF Pre-Approved Product** by the Hong Kong Construction Industry Council.



For more information or a no-obligations consultation on how the Enertainer could benefit your project, **please contact us at +852 3705 9441 or at [sales@ampd.energy](mailto:sales@ampd.energy)**

# Ampd Enertainer

## Key Specifications<sup>1</sup>



Parameter		Specification		
Model		Enertainer S	Enertainer M	Enertainer L
Maximum output current per phase	Peak (<1 minute)	355 A	475 A	830 A
	Continuous	285 A	380 A	665 A
Energy storage subsystem chemistry		Lithium-NCM		
Example applications		Material / passenger hoists Desanders + slurry pumps Air compressors Bar benders Welders Grouting stations	1 x Mid-sized tower crane Welders Grouting stations	1 x Large tower crane 2 x Mid-sized tower cranes Stud welder
Power conversion subsystem	Type	Heavy-duty, modular power conversion system with isolation transformer		
	Input voltage range	320 – 440 VAC (3Ph)		
	Maximum input current / Leakage current	80 A / (standard) 50 A / (with optional input leakage current reduction system)		
	Output voltage	380 – 400 VAC ± 1% (3Ph + N)		
	Output frequency range	50 Hz ± 0.5 Hz		
Thermal management subsystem	Type	Industrial, wall-mounted recirculating air-conditioning system		
	Number of cooling units	1 unit	2 units	
	Refrigerant type	R134a		
Mechanical	Dimensions (L x W x H)	2.2 x 2.4 x 2.6 m	3.0 x 2.4 x 2.6 m (10' container)	
	Net weight	7,600 kg	8,400 kg	9,430 kg
	Fire extinguishing subsystem	Heptafluoropropane (FM-200) based, automatically triggered		
	Ingress protection	IP54		
	Operating temperature range	0 to +45 °C external ambient temperature		
	Sound power level <sup>2</sup>	85-89 dB(A) (32 times quieter vs. comparable diesel generator)		
Connectivity		Cellular data (4G), RS-485		
Expected Lifetime <sup>3</sup>		10+ years		
Certifications		UL, UN, CE, IEC, IEEE, ENA G99		

### Recommended Input Requirements<sup>4</sup>

Tower crane	15 A
Material or passenger hoist	10 A
Air compressor	10 A
600 A AC arc welder	10 A
600 A DC welder	12 A
Grouting station	50 – 60 A
Desander + welders + pumps (for 1 x piling rig)	20 A
Desander + welders + pumps (for 2 x piling rigs)	30 A
Site office (25 HP air-con + 4,500 W lighting)	25 A

### Available Options

Input leakage current reduction system		Optional
Warranty and field engineering	5-year on-site warranty	Included
	8-Year extended on-site warranty	Optional
	Standard support plan	Included
	Premium (Gold) support plan	Optional
	Premium (Platinum) support plan	Optional
Remote access and data	Standard web monitoring interface	Included
	Premium web monitoring interface	Optional
	Data analytics package	Optional

<sup>1</sup>In the interests of continual product improvement, specifications are subject to change without notice. Please contact us for the latest specifications.

<sup>2</sup>ISO 6394:2008 measurement methodology.

<sup>3</sup>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.

<sup>4</sup>Provided for guidance purposes. Actual grid input requirement will depend on factors such as (but not limited to): (i) actual equipment electrical requirements; (ii) utilisation/duty cycle; (iii) daily duration of availability of input power supply; (iv) state-of-health and age of the Enertainer; (v) duration of daily construction site operations.