Ampd Enertainer

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

Minimise Carbon Footprint

Up to 85% carbon reduction[1] & zero direct NO_X, PM & SO_2 fumes

Maximise Productivity

Zero recharging downtime and near-zero annual maintenance downtime

Ultra Low Noise Footprint

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

Enhance On-Site Safety

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

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, 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.

For more information about Sustainable Solutions visit:
www.selectplanthire.com

Ampd Enertainer

Parameter / Specification

Parameter		Specification		
Model		**Enertainer F**	**Enertainer M**	**Enertainer L**
On CITF Pre Approved List		–	Yes (PA20-045)	
Maximum output current per phase	Peak (<1 minute)	227 A	455 A	795 A
	Continuous	190 A	380 A	665 A
Energy storage subsystem chemistry		Lithium-ion NMC		
Example applications		Tower cranes, material hoist, passenger hoists, welders, bar benders, grouting station		
Power conversion subsystem	Type	Heavy-duty, modular power conversion system		
	Input voltage range	320 – 440 VAC (3Ph + N + PE)		
	Maximum input current	80 A (standard)		
		50 A (with optional input leakage current reduction system)		
	Output voltage	380 – 415 VAC ± 1% (3Ph + N + PE)		
	Output frequency range	50/60 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]	3.21m (L) x 2.44m (W) x 2.6m (H) (10' container)		
	Net weight	7.5 tons	7.8 tons	8.7 tons
	Ingress protection	IP54* (rain and typhoon 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	57-61dB(A) (at 7 meters)		
Connectivity		Cellular data (4G)		
Expected Lifetime[4]		10+ years		
Standards		UL, UN 38.3, CE, IEC, IEEE		

* For DC room

Recommended Combination & Input Requirement[5]

2 x mid-size tower cranes	Enertainer L	25 A
1 x large-size tower crane	Enertainer L	25 A
1 x mid-size tower crane + 1 x material/passenger hoist	Enertainer M	15 A
5 x welders	Enertainer F	40 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

[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.

[5]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.

[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.