

# POWERSHIFT

## ENERTAINER <<L+ / <<M+

MANUFACTURED BY AMPD ENERGY. DISTRIBUTED BY POWERSHIFT TECHNOLOGIES.

### ENGINEERED FOR CONSTRUCTION AND HEAVY INDUSTRIAL

The Enertainer units (M+ and L+) are large-scale advanced battery systems, purpose-built to power entire construction sites and heavy industrial plant and equipment. They have been proven in the harshest of environments in Australia and worldwide across hundreds of projects.

With high peak power and plenty of storage capacity to back it, the Enertainers can handle versatile loads across large-scale sites, providing consistent, clean power. Charge from a modest grid feed or a small generator, with the ability to track and monitor energy usage and performance in real-time.



- Run your entire site
- Quiet, continuous power
- Hardwire in and out for convenience
- Dual HVAC for temp control
- In-built redundancy
- Aerosol-based fire safety system

| MODEL | VOLTS     | KVA | KWH | PHASE |
|-------|-----------|-----|-----|-------|
| M+    | 380 - 415 | 312 | 225 | 3     |
| L+    | 380 - 415 | 437 | 449 | 3     |

#### OUTPUT SPECIFICATIONS

|   | UNITS    | ENERTAINER M+   | ENERTAINER L+   |
|---|----------|-----------------|-----------------|
| Overload Power (<1 minute)                        | kW / kVA | 285 / 375       | 525 / 525       |
| Overload Current (<1 minute) @ 380V / 400V / 415V | A        | 569 / 541 / 521 | 797 / 757 / 730 |
| Nominal Power                                     | kW / kVA | 213 / 312       | 427 / 437       |
| Nominal Current @ 380V / 400V / 415V              | A        | 474 / 450 / 434 | 663 / 630 / 607 |

#### INPUT SPECIFICATIONS

|                                |     |                          |  |
|--------------------------------|-----|--------------------------|--|
| Voltage Range                  | VAC | 380 - 415 (3Ph + N + PE) |  |
| Frequency                      | Hz  | 50                       |  |
| Maximum Input Current (@ 380V) | A   | 90                       |  |

#### BATTERY SPECIFICATIONS

|                                     |     |                              |     |
|-------------------------------------|-----|------------------------------|-----|
| Battery Type                        | -   | LFP (lithium iron phosphate) |     |
| Battery Nominal Capacity            | kWh | 225                          | 449 |
| Ambient Temperature Operating Range | C°  | 0 - 45+                      |     |

#### PHYSICAL SPECIFICATIONS

|                    |        |                 |     |
|--------------------|--------|-----------------|-----|
| Ingress Protection | IP     | IP45            |     |
| Dimensions         | LxWxH  | 3.0 x 2.4 x 2.6 |     |
| Weight             | Tonnes | 7.8             | 9.6 |

#### ENVIRONMENTAL AND SAFETY

|                    |   |  |  |
|--------------------|---|--|--|
| Fire Supression    | - | Aerosol Type                                       |  |
| Thermal Management | - | Industrial, recirculating HVAC cooling and heating |  |
| Refrigerant Type   | - | R134a  |  |

#### CONNECTIONS

|                  |   |                                     |  |
|------------------|---|-------------------------------------|--|
| Wireless         | - | Cellular 4G                         |  |
| Input and Output | - | Hardwire direct to and from Bus Bar |  |



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# POWERSHIFT

## APEX«400

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### HEAVY DUTY POWER FOR LARGE SITES

An advanced energy storage system engineered for large construction, commercial and heavy industrial sites that are power hungry.

This next generation technology can peak at over 800A, with 430kWh to back it, enabling the unit to support multiple large, peaky loads, along with more consistent loads like site power. Charge from a small mains feed, generator, solar or multiple sources, with the ability to track and monitor energy usage and performance in real-time.



- Run your entire site
- Hardwire in and out for convenience
- In-built redundancy
- Quiet, continuous power
- Liquid cooled
- Aerosol-based fire safety system

| MODEL | VOLTS   | KVA | KWH | PHASE |
|-------|---------|-----|-----|-------|
| A400  | 380-415 | 428 | 430 | 3     |

#### OUTPUT SPECIFICATIONS

|   | UNITS    | A«400           |
|---|----------|-----------------|
| Overload Power (<10 sec)                        | kW / kVA | 585 / 595       |
| Overload Current (<10 sec) @ 380V / 400V / 415V | A        | 904 / 858 / 827 |
| Nominal Power                                   | kW / kVA | 386 / 428       |
| Nominal Current @ 380V / 400V / 415V            | A        | 650 / 618 / 595 |

#### INPUT SPECIFICATIONS

|  |     |                         |
|--|-----|-------------------------|
| Voltage Range                            | VAC | 380 - 415 (3Ph + N + E) |
| Frequency                                | Hz  | 50                      |
| Maximum Input Power (trickle charge)     | kW  | 120                     |
| Maximum Input Power (genset paralleling) | kW  | 410                     |

#### BATTERY SPECIFICATIONS

|                                     |     |                              |
|-------------------------------------|-----|------------------------------|
| Battery Type                        | -   | LFP (lithium iron phosphate) |
| Battery Nominal Capacity            | kWh | 430                          |
| Ambient Temperature Operating Range | C°  | -20 to +50                   |

#### PHYSICAL SPECIFICATIONS

|                    |        |                 |
|--------------------|--------|-----------------|
| Ingress Protection | IP     | IP54            |
| Dimensions         | LxWxH  | 3.0 x 2.3 x 2.4 |
| Weight             | Tonnes | 8.99            |

#### ENVIRONMENTAL AND SAFETY

|                    |   |                                   |
|--------------------|---|-----------------------------------|
| Fire Suppression   | - | Aerosol Type                      |
| Thermal Management | - | Liquid cooled + forced convection |
| Coolant Type       | - | Ethylene glycol                   |

#### CONNECTIONS

|                       |   |                                     |
|-----------------------|---|-------------------------------------|
| Wireless Connectivity | - | Cellular 4G                         |
| Input and Output      | - | Hardwire direct to and from Bus Bar |



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