



Features

- 8x/16x Industrial 370 Farads Supercapacitors
- Up to 200W Max. Power Output
- 1x COM, 1x USB for GUI Remote Management and Monitoring
- 2 IN / 2 OUT DIO
- -25°C to 55°C Wide Operating Temperature
- EN50155: EN50121-3-2, CE, FCC Class A, UL Certification
- 3x Smart Modes with Remote On/Off, Ignition Control, Delay Time
- 12V/24V Compatibility: Industrial PCs, Panel PCs, Displays

Specifications

Power

| | |
|------------------|--|
| Capacity | <ul style="list-style-type: none"> • 8S Model: 8x 370 Farads Supercapacitors • 16S Model: 16x 370 Farads Supercapacitors |
| Input Connector | 3-pin Terminal Block (V+, GND, IGN IN) |
| Input Voltage | 12 ~ 35 VDC |
| Output Connector | 3-pin Terminal Block (V+, GND) |
| Output Power | <ul style="list-style-type: none"> • 8S Model: Max.100W output • 16S Model: Max. 200W output |
| Output Voltage | Charge mode: DC IN Voltage bypass (DC OUT = DC IN) Discharge mode: 12V or 24V |
| Charging Mode | Quick and Normal Charging |
| Power Ignition | Power Ignition Management |
| Power Protection | OVP (Over Voltage Protection) OCP (Over Current Protection) Reverse Protection |

I/O

| | |
|--------|--|
| COM | 1x RS-232 |
| DIO | 2 in / 2 out |
| USB | 1x USB Type A |
| Others | 1x Remote Power On/Off 1x Smart Mode Switch 1x Mode Reset Switch |

Environment

| | |
|-----------------------|---|
| Operating Temperature | -25°C to 55°C |
| Storage Temperature | -30°C to 85°C |
| Relative Humidity | 10% to 95% (non-condensing) |
| Certification | CE, FCC Class A, UL 62368-1 Ed. 3 EMC Conformity with EN50155, EN50121-3-2 |
| Vibration | 5 Grms, 5 - 500 Hz, 0.5 hr/axis |
| Shock | 20G, half sine, 11ms |

Physical

| | |
|------------------|---|
| Dimensions | 100 (W) x 192 (D) x 192 (H) mm |
| Weights | ECO-1000-8S-LCM: 2 KG ECO-1000-16S-LCM: 2.6 KG |
| Construction | Heavy Duty Metal |
| Mounting Options | Wall Mounting, DIN Rail Mounting (Optional) |

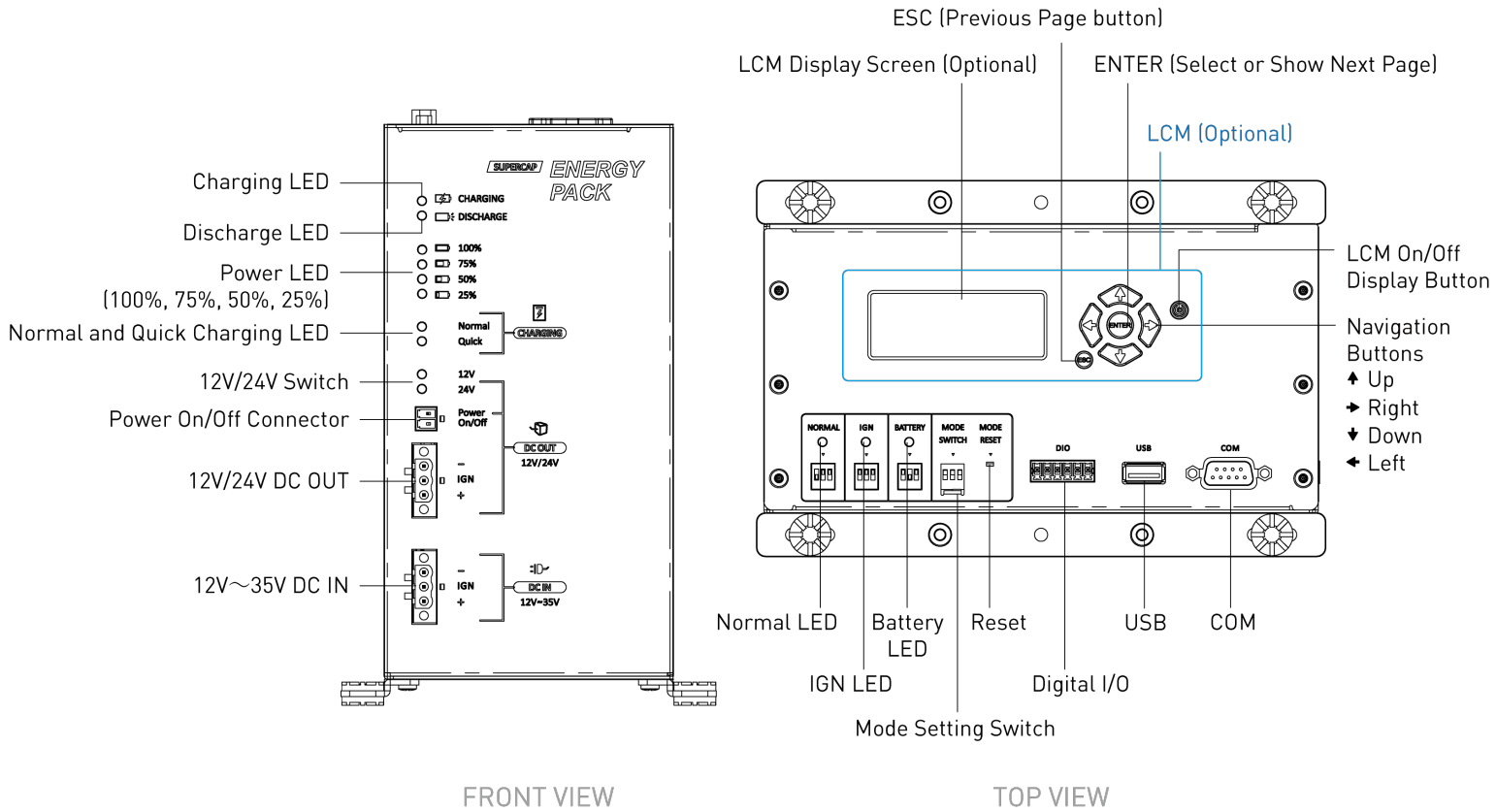
Available Models

- ECO-1000-8S-LCM-P
EDGEBoost EnergyPack with 8x Industrial-Grade Supercapacitors and LCM Display Module
- ECO-1000-16S-LCM-P
EDGEBoost EnergyPack with 16x Industrial-Grade Supercapacitors and LCM Display Module

Packing List

- 1x ECO-1000 Series EDGEBoost EnergyPack
- 1x Wall Mount Kit
- 1x Accessory Kit

External I/O Mechanical Layout



Dimension

Unit: mm

