



### 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"> <li>• ECO-1000-8S: 8x 370 Farads Supercapacitors</li> <li>• ECO-1000-16S: 16x 370 Farads Supercapacitors</li> </ul>
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"> <li>• ECO-1000-8S: Max.100W output</li> <li>• ECO-1000-16S: Max. 200W output</li> </ul>
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 187.4 (H) mm
Weights	ECO-1000-8S: 1.8 KG ECO-1000-8S-LCM: 2 KG ECO-1000-16S: 2.4 KG ECO-1000-16S-LCM: 2.6 KG
Construction	Heavy Duty Metal
Mounting Options	Wall Mounting, DIN Rail Mounting (Optional)

#### Available Models

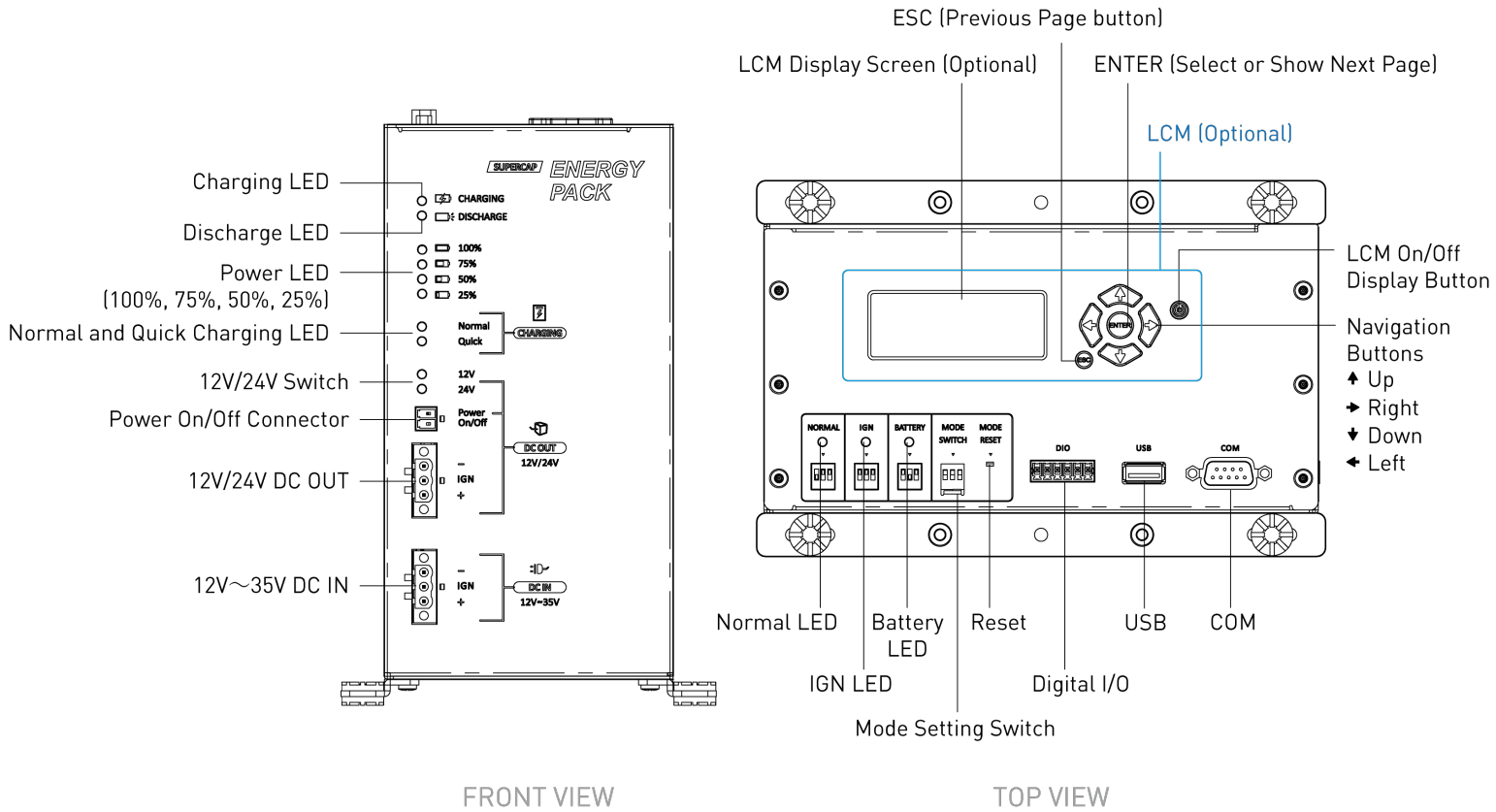
- ECO-1000-8S  
EDGEBoost EnergyPack with 8x Industrial-Grade Supercapacitors
- ECO-1000-8S-LCM  
EDGEBoost EnergyPack with 8x Industrial-Grade Supercapacitors and LCM Display Module
- ECO-1000-16S  
EDGEBoost EnergyPack with 16x Industrial-Grade Supercapacitors
- ECO-1000-16S-LCM  
EDGEBoost EnergyPack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

#### Packing List

- 1x ECO-1000 Series Embedded System
- 1x Wall Mount Kit
- 1x Accessory Kit

\* All specifications and photos are subject to change without notice.

## External I/O Mechanical Layout



## Dimension

Unit: mm

