



### 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
- -20°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>• 8S Model: 8x 370 Farads Supercapacitors</li> <li>• 16S Model: 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>• 8S Model: Max.100W output</li> <li>• 16S Model: Max. 200W output</li> </ul>
Output Voltage	Charge mode: DC IN Voltage bypass (DC OUT = DC IN) Discharge mode: 12V or 24V  Caution: <ul style="list-style-type: none"> <li>• To use output voltage 24V DC, ECO-1000 input voltage must be 24V- 35V</li> <li>• Different voltage input/output can damage the systems. Ensure ECO-1000 Voltage Out setting matches the voltage input of external system.</li> <li>• For example, If the external system has a fixed voltage of 12V DC IN, the ECO-1000 must be configured for 12V DC OUT.</li> </ul>
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	-20°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

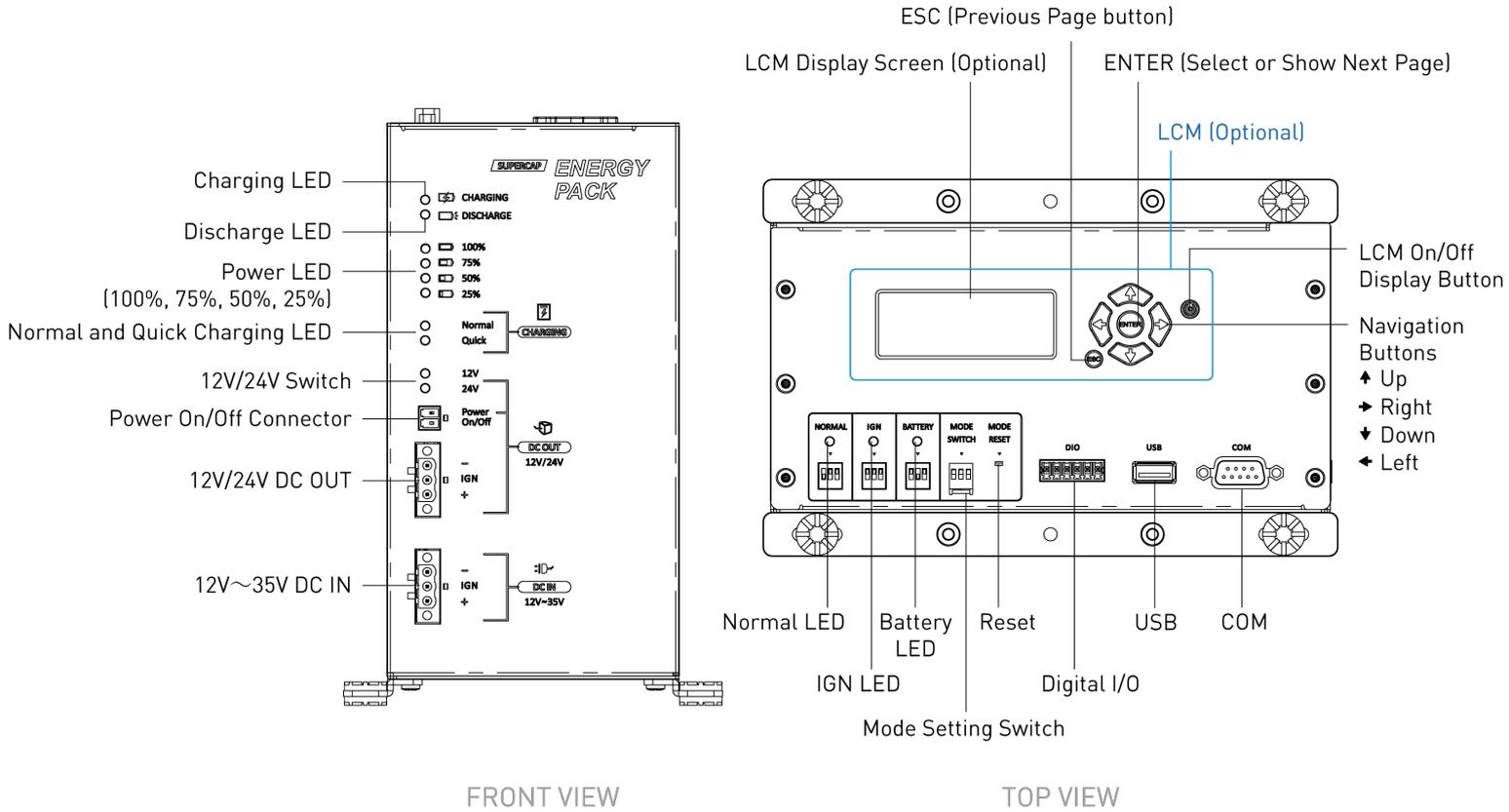
• ECO-1000-16S-LCM-P  
EDGEBoost EnergyPack with 16x Industrial-Grade Supercapacitors and LCM Display Module

### Packing List

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

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

External I/O Mechanical Layout



Dimension

Unit: mm

