

ecoCHARGE

**INTELLIGENT &
HIGHLY EFFICIENT**
INDUSTRIAL
BATTERY CHARGERS



E970 THREE PHASE INDUSTRIAL BATTERY CHARGERS

E970 three phase chargers are an efficient, compact and feature rich range of products that suit a wide variety of battery charging needs, including materials handling, ground support and automated electric vehicles.

Its flexible controller and wide output voltage range allow it to charge differing battery voltages, capacities and chemistries. Use of a BMM-BT, CAN bus communication or automatic voltage sensing can be used to recognise batteries without operator input.

An industry leading peak efficiency of 97.6% cuts energy costs and allows the E970 to be extremely compact and power dense.

The charger is UL and cUL listed and meets CEC efficiency requirements for large battery systems.



EC0973

EC0976

EC0974

BATTERY VOLTAGES

24V to 96V

OUTPUT CURRENT

E973: 300A_{DC}

E974: 400A_{DC}

E976: 600A_{DC}

OUTPUT POWER

E973: 14.58kW

E974: 19.44kW

E976: 29.16kW

PEAK EFFICIENCY

OVER 97%

AC SUPPLIES SUPPORTED

200 TO 240V_{AC} 3-PHASE

380 TO 480V_{AC} 3 PHASE

480 TO 600V_{AC} 3-PHASE

SIZE AND WEIGHT

E973: 37.4 lbs

12.2W x 14.3D x 9.9H in

E974 & E976: 71.5lbs

12.2W x 14.3D x 19.3H in

INTERFACES

USB

Wi-Fi and Ethernet

CAN Bus

Keypad and 3.5" LCD Display



E973 ON ISLAND STANDS



E973 ON DUAL STANDS



E974 ON WALL MOUNTING BRACKET

E970 SINGLE PHASE INDUSTRIAL BATTERY CHARGERS

E970 single phase chargers bring the same flexibility, reliability and rich feature set of the three phase charger to applications where space or power supply availability may be restricted.



E971-21, -22 AND -23



E971-26

BATTERY VOLTAGES

12v TO 48v

OUTPUT CURRENT

E971-21 : 48A_{DC}

E971-22 : 85A_{DC}

(REDUCED BELOW 200V_{AC})

E971-23 : 120A_{DC}

E971-26 : 240A_{DC}

(REDUCED BELOW 230V_{AC})

OUTPUT POWER

E971-21 : 1.4kW

E971-22 : 2.4kW

E971-23 : 3.5kW

E971-26 : 6.9kW

PEAK EFFICIENCY

OVER 95%

AC SUPPLIES SUPPORTED

100 to 277V_{AC}

SIZE

E971-21, -22 AND -23:
12.8W X 15.9H X 4.3D in

E971-26:

12.8W X 15.9H X 8.1D in

INTERFACES

USB

Wi-Fi and Ethernet

CAN Bus

Keypad and 3.5" LCD Display

BMM-BT3 BATTERY MONITORING MODULE

The BMM-BT3 module allows the condition of a battery to be closely monitored. With a rugged construction, it is suitable for the tough environments found on or near batteries.

Using Bluetooth or PLC the BMM-BT3 stays in contact with the charger during a charge, allowing charge optimization through temperature and voltage drop monitoring.

The BMM-BT3 captures a comprehensive set of cycle, alarm and lifetime logs during operation, allowing measurement of performance and detection of misuse. The battery is continuously checked for imbalance, low electrolyte and overheat conditions.

Each BMM-BT3 stores a configuration and charge profile for its host battery, which can be used to allow charging of a range of battery voltages, capacities and chemistries using a single set of E970 chargers.



ACCESSORIES

For use with ECO970 single and three phase chargers

TOWER LIGHTS

Allows the charger status to be seen from a distance in any direction



REMOTE CONTROL

Useful in situations where the charger is out of reach, such as a battery change rack



AUTO WATERING KIT

Allows a battery to be watered as scheduled by the charger



AXESS POINT NETWORKED CHARGER MANAGEMENT

DC Power Technologies has exclusively developed Axess Point, a simple but accurate account of data monitoring from both battery and charger performance data. Axess Point will allow you to view, control, make adjustments, download charger logs, alarm logs and battery statistics in the most accurate simple form.

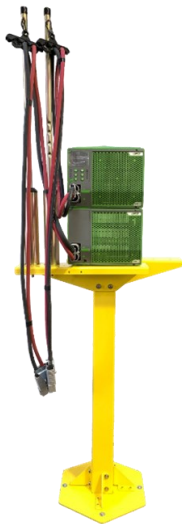
Axess is proactive in your fleet. Proactive alarms are sent to the fleet manager with both battery and charger notifications, battery warranty life predicting scenario, battery usages, EBU measurement, auto watering notification on a calendar report, equalization report with pro-active notifications, load test index reports, total battery energy throughput and projected end of battery life. Several detailed data reports of battery performance are available.



Battery Status Report		
Battery ID:	5478-1	
Group ID:	P&G	
Battery Type:	Cells: 24 Amps: 850	
Report Date:	Tue 02/21/23 09:41	
Battery Start Date:	12/16/2019	
Months of Log Activity:	37.9	
 Load Test Index(%) Index Level: 81.9%	 Temperature Max: 121.5 F	
Battery Condition Highlights		
Links to Graphics and Detail	Snapshot Last 14 Days	AMP Issue
State of Charge and Temp.	Most-recent Charge	100%
Daily AMP/HR Display	Avg. Chg/Dischg Amps:	1
Display of Daily Amp Usage	Average EBU: [?]	0.51
No Electrolyte or Discharge Flags		
Full Alarm & Termination Reports	Total Alarm Types:	0
Last EQ (Date, # of Cycles): [?]	No EQ found	0
Detailed Battery Report	Load Test Index: [?]	81.9%

INSTALLATION ACCESSORIES CHARGER STANDS AND CABLE MANAGEMENT

DCPT offers a wide range of installation hardware accessories to meet the needs of a diverse range of applications.



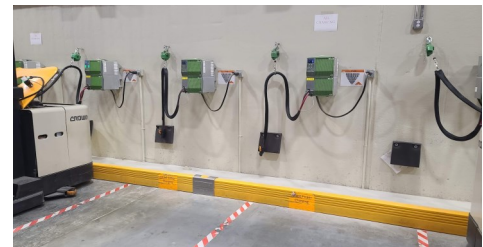
CS1P SINGLE



CS2P DUAL



CS59 MODULAR STAND



CHARGER INSTALLATION EXAMPLES



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