

# CH0028 Portable Battery System

## Technical Datasheet

### The Ultralife Advantage

Better technology. Our battery & charging technologies and power systems enable us to design leading-edge solutions for the world's most demanding applications.



### SPECIFICATIONS

Part No	CH0028
Voltage Range	24 to 33VDC
Nominal Capacity	81.8Ah @ 250W
Dimensions	19.2" L (including handles) x 12.6" W (including handles) x 8.8" H
Exterior/Housing	Aluminum Enclosure
Energy	2.5KW (Fully Populated)
Output Power	500W continuous, 700W Peak (Fully Populated)
State of Charge	2 Digit Numeric
Communication	UDP over Ethernet
Operating Temp	-32 to 60°C
Storage Temp	-32 to 71°C
Terminals/Connector	Output Connector: D38999/24WE6SA Shore Power / Charge Input Connector: D38999/24WG16PA Communication Connector: D38999/RJ45
Weight	54 lbs including batteries
Mounting	Non-slip friction pad. For Alternate mounting, please contact Ultralife.
Charger /Shore Power Supply	CH0027 Charger and Shore Power Supply
Optional Accessories	UCA0043-xx CABLE, POWER OUT, BATT BOX -XX Legend -01 = 5' Cable -02 = 3' Cable  CA0033-xx, Cable, Ethernet, Robust -XX Legend -01 = 5' Cable -02 = 3' Cable  UCA0041, Cable Ethernet, COTS, 7'

### FEATURES

- Large Energy density for Extended Runtimes
- Rugged case construction
- Utilizes UBBL10 Smart Battery Technology
  - Four (4) to Twelve (12) UBBL10 Smart 2590 Batteries
- Shore power / Battery Charger CH0027 Available
- State of Charge Display of Total Box Capacity
- Balancing Electronics assure full power usage
- Ethernet Communication of Status and State of Charge
- Polls the SMBus Data From Installed Batteries

### APPLICATIONS

- Large Power Emplacements
- Backup Power Applications
- Contact Ultralife for use with alternate battery types (UBBL02/ Legacy 2590 Types)

### TEST COMPLIANCES

- Mil-Std-810F: Non-Operational Vibration, Mechanical Shock, Sand/Dust, Humidity, Fungus
- SAE J1455: Operation Vibration
- Mil-Std-1275C: Spikes and Surges, Input Power

**[Contact Ultralife for availability]**