

▪ **SALIENT FEATURES:**

- Battery Packs are Eco Friendly.
- Battery Packs are 100% efficient for charging and discharging.
- Cut-Off protection for Overcharge and Discharge.
- Very Low weight compared to Lead-Acid Battery.
- Best for Solar Application.
- More than 2000 Cycles of Operation AT 80% DOD.

| Description | Technical Specification | Remark |
|-----------------------------------|-------------------------|--|
| Nominal Capacity | 100Ah | Capacity according to standard charge and Discharge |
| Nominal Voltage | 12.8V | The average value of working voltage during the whole discharge process. |
| Nominal Wattage | 1280Wh | |
| Internal Impedance of Pack | ≤4.6mΩ | Internal Impedance calculated after series and parallel configuration |
| Type of Cell | Prismatic | Part No. 36130200 |
| Capacity of Individual Cell | 3.2V – 100Ah | A Grade Cell with IR < 1mΩ |
| Configuration | 4S-1P | 4 in Series and 1 in Parallel |
| Charge Current | 40A | Constant Charge |
| Discharge Current | 40A | Constant Discharge |
| Charge Cut-Off Voltage | 14.6V | Protected with Balancing BMS |
| Discharge Cut-Off Voltage | 10.5V | Protected with Balancing BMS |
| Working Temperature (Charging) | 0-45°C | Under constant charge |
| Working Temperature (Discharging) | 20-55°C | Under constant discharge |
| Weight | 14kG | Approx. |
| Dimension | Length (mm) | 140mm |
| | Width (mm) | 160mm |
| | Height (mm) | 220mm |
| Cycle Life | ≥2000 | With 80% DOD |
| Storage Temperature | 1 – 3 Month | 20 - 60°C |
| | 1 – 6 Month | 20 - 45°C |
| Battery (LCV) | Provided | |
| Battery (HCV) | Provided | |
| Battery Reverse Protection | Provided | |

▪ **APPAREANCE:**

All surfaces must be clean, without damages, leakage and corrosion. Each product will have a product label identifying the model.

▪ **PACKING:**

Cells are at full charge state when packed and assembled. PVC insulation sleeve are provided to cover the battery pack from prevention of sock and fire.

▪ **TRANSPORTATION:**

During transport do not put battery pack to violent shaking, bumps, rain and direct sun light.

▪ **WARRANTY:**

- The warranty period of this product is 24 months starting at the date of delivery from the factory.
- Warranty will be void if the BATTERY PACK are used outside these specifications.
- PACTO POWER will not be liable for any damages, personal, material, immaterial or otherwise, when the cells are used outside these specifications.

▪ **DANGER:**

- When charging the battery, use dedicated chargers and follow the specified conditions.
- Use the battery only in the specified equipment.
- Do not connect battery directly to an electric outlet or high current application.
- Do not heat or throw battery into a fire.
- Do not use, leave battery close to fire or inside of a car where temperature may be above 60°C. Also do not charge / discharge in such conditions.
- Do not immerse, throw, and wet battery in water/ seawater.
- Do not put batteries in your pockets or a bag together with metal objects such as necklaces, Hairpins, coins, or screws. Do not store batteries with such objects.
- Do not short circuit the (+) and (-) terminals with other metals.
- Do not place battery in a device with the (+) and (-) in the wrong way around.
- Do not pierce battery with a sharp object such as a needle.
- Do not hit with a hammer, step on or throw or drop to cause strong shock.
- Do not disassemble or modify the battery.
- Do not use a battery with serious scar or deformation.

▪ **WARNING:**

- Do not put battery into a microwave oven, dryer, or high-pressure container.
- Do not use battery with dry cells and other primary batteries, or batteries of a different package, type, or brand.
- Stop charging the battery if charging is not completed within the specified time.
- Stop using the battery if abnormal heat, odor, discoloration, deformation or abnormal condition is detected.

▪ DURING USE CHARGE or STORAGE:

- Keep away from fire immediately when leakage or foul odor is detected.
- If liquid leaks onto your skin or clothes, wash well with fresh water immediately.
- If liquid leaking from the battery gets into your eyes, do not rub your eyes. Wash them well with clean water and go to see a doctor immediately.

▪ CAUTION:

- Store batteries out of reach of children so that they are not accidentally swallowed.
- Before using the battery, be sure to read the user's manual and cautions on handling thoroughly.
- For information on installing and removing from equipment, thoroughly read the user's manual for the specific equipment.
- Batteries have life cycles. If the time that the battery powers equipment becomes much shorter than usual, the battery life is at an end. Replace the battery with a new same one.
- Remove a battery whose life cycle has expired from equipment immediately.
- When the battery is thrown away, be sure it is non-conducting by applying vinyl tape to the (+) and (-) terminals.
- When not using battery for an extended period, remove it from the equipment and store in a place with low humidity and low temperature.
- While the battery pack is charged, used and stored, keep it away from objects or materials with Static electric charges.
- If the terminals of the battery become dirty, wipe with a dry cloth before using the battery.
- **Never handle battery pack with its outlet wire, It leads to physical prevent damage. Use proper equipment to carry it.**

CORPORATE AND MANUFACTURING ADDRESS:

43, D-BLOCK, SECTOR-7, NOIDA

UTTAR PRADESH, 201301

EMAIL: info@pactopower.com

WEBSITE: www.pactopower.com

CONTACT: +91-8874401050