

48 V Lithium Ion Battery



v 1.0

48 V Lithium Ion Battery

Lithium ion batteries are more powerful and provide more energy for high consumption than traditional lead-acid batteries.

- + Fast charging
- + Long lifetime
- + Low weight
- + Powerful

Lithium batteries have a uniquely long lifetime of up to 8200 charge/ discharge cycles still achieving 50% DOD. The batteries are compact and very light – by switching to lithium you may reduce the weight of your applications significantly.

The batteries are designed to have same life expectancy as telecom equipment and as a consequence, in many cases, there is no need for battery replacement during the life of the telecom equipment.

Our batteries are easy to install, easy to use and newer needs maintenance!

Low environmental impact due to increased efficiency, reduced energy consumptions, reduced carbon footprint, lead-free and recyclable at the end of life.

The batteries are conform and certified to all major quality, safety and environmental standards (Telcordia GR 3150, IEC 60950, CE, EN 300 386, EN 61 000, EC marking...) and for transportation UN 3480.

With our battery you get

- Compact low-weight package
- Low TCO
- The same life as telecom equipment
- Maintenance free
- Environmental friendly material



| | |
|-------------------------------------|--------------------|
| Voltage | 48V |
| Typical capacity | 77 Ah |
| Typical energy | 3900 Wh |
| Voltage window | 42.0 – 56.0 V |
| Charge voltage range | 52.0 – 56.0 V |
| Typical recharge time | < 3 hours |
| Round trip efficiency (Wh) | >95% |
| Calendar life (@ 20 Celcius) | 20 years |
| Operating temperature | -40 -> +70 Celcius |
| H x W x D | 260 x 216 x 404 mm |
| Weight | 30 kg. |



PowiDian SAS

www.PowiDian.com

e-mail: sales@PowiDian.com