

LP20 - Battery pack

Type designation: **LP20**

PN (RN): **7029.100.11, 7029.100.13**

Power supply for RF20 radio system transceivers. The battery pack consists of serial-parallel set of six LiIon cells with a protective diagnostic circuit. The diagnostic circuit is equipped with a battery charging status display.

The battery pack version 7029.100.11 contains a converter which ensures minimum battery pack output voltage of 6.5 V under increased cell internal resistance (negative temperature).

Description

Diagnostic circuits use two-wire bus communication between the battery pack and the charger to display the battery pack charging parameters and manufacturing parameters on the charger display (NU1302).

Technical parameters

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|--|--------------------------------|
| Nominal voltage | 7.4 V |
| Nominal capacity | 6.7 Ah |
| Charging (from NU1302, NM1302 chargers) | 5 hours |
| Charging temperature range | 0 °C to +43 °C |
| Operating temperature range | -30 °C to +60 °C |
| Dimensions | W 76 mm x H 95 mm x D 45 mm |
| Weight | max. 0.45 kg |

Chargers

| Type designation | PN (RN) | Name |
|-------------------------|----------------|------------------------------|
| NU1302 | 7027.000.01 | Universal charger set N/A |

| | | |
|--------|-------------|-------------------------|
| NM1302 | 7028.000.01 | Mobile charger set |
| PC20 | 7046.000.11 | Small mains charger set |
| SL20 | 7047.100.01 | Solar charger |