


OPTIONS


BATTERY PACK AND CASE



BP-294
Li-ion battery with intelligent reporting. 3050 mAh (min.) 3150 mAh (typ.). IP67 Waterproof

BP-291
Battery case LR6 (AA) × 5. Water resistance

MULTI-CHARGER




AD-132N

BC-214N BC-157S

Charges up to six BP-294 batteries in 5.3 hours (approx.). AD-132N is supplied with BC-214N, depending on version.


CONNECTABLE TYPE CHARGER



BC-226 BC-228
Charges the BP-294 in 4.9 hours. (approx.)

Connects up to six BC-226 units.

INTELLIGENT CHARGER



BC-225 BC-1235 *
Shows the charging information with LED lighting. Charges the BP-294 in 4 hours. (approx.)


DESKTOP CHARGERS



BC-227 BC-1235 * BC-219N BC-1235 *
Charges the BP-294 in 4.9 hours. (approx.) Charges the BP-294 in 4.7 hours. (approx.)


* SE for Europe plug, SUK for UK plug, SV for Australia plug.

BELT CLIPS




MBB-3 MB-136
Alligator type. Swivel type.

BELT HANGERS




MB-96N MB-96F MB-96FL
Swivel type. Fixed type. Long type.

ACC ADAPTOR



AD-118
14-pin multi-connector to 6-pin Hirose connector

CARRYING CASES




LC-187 LC-188
Hard type. Hard type.
Charging is possible while the case is attached.

CIGARETTE LIGHTER CABLE & POWER SUPPLY CABLES



CP-23L OPC-515L OPC-656
For use with the BC-219N or BC-227. For use with the BC-219N, BC-225 or BC-227. For use with the BC-214/N.

ANTENNA



FA-SC58V

SOFTWARE
• RS-BC225 : Intelligent charger software for Windows PC. For use with BC-225.

SPECIFICATIONS

| | | IC-M85E | |
|---|---------------------------------|---|--|
| GENERAL | | Marine channels | PMR channels |
| Frequency coverage | EUR, UK | Tx:1 56.000– 161.450 MHz | Tx/Rx:1 36.000–174.000 MHz |
| | FRG, HOL | Rx:1 56.000–163.425 MHz | |
| | AUS | Tx:1 56.025– 157.425 MHz Rx:1 56.300–162.025 MHz | Tx/Rx:1 36.000–174.000 MHz |
| Usable channel groups, Number of channels | | INT, USA* channels (*Varies according to version) | 100 PMR channels |
| Type of emissions | EUR, UK, AUS FRG, HOL | 16K0G3E | 16K0F3E/8K50F3E 14K0F3E/8K50F3E |
| Channel spacing | | 25 kHz | 25/12.5 kHz 20/12.5 kHz |
| Power supply requirement | | 7.2 V DC nominal | |
| Current drain (approximate) | | Tx:1.5 A (at 5 W) / Rx:0.45 A (Max.audio) | |
| Antenna impedance | | 50 Ω | |
| Operating temperature range | EUR, UK FRG, HOL AUS | -15 °C to +55 °C -10 °C to +55 °C | -25 °C to +55 °C -10 °C to +50 °C |
| Dimensions (W×H×D) | | 56 × 92 × 36.2 mm (With BP-294) (Projections not included) | |
| Weight (approximate) | | 281 g (with BP-294, FA-SC58V and MBB-3) | |
| TRANSMITTER | | | |
| Output power (at 72 V DC) | | 5/3/1 W | 5/3/1 W |
| Max. frequency deviation | EUR, UK, AUS FRG, HOL AUS | ±5.0 kHz | ±5.0 kHz (Wide), ±2.5 kHz (Narrow) ±4.0 kHz (Wide), ±2.5 kHz (Narrow) |
| Frequency stability | EUR, UK FRG, HOL AUS | ±1.5 kHz ±1.5 kHz | |
| Spurious emissions | EUR, UK FRG, HOL AUS | 0.25 μW (≤2 GHz), 1.0 μW (>2 GHz) -70 dBc typ. | |
| Residual modulation | | 40 dB | 40 dB (Wide), 34 dB (Narrow) |
| Audio harmonic distortion | | 10% (at 60% deviation) | |
| Modulation limiting | | 60–100% of maximum deviation | |
| RECEIVER | | | |
| Sensitivity (at 20 dB SINAD) | | -4 dBμ emf typical | -4 dBμ emf typ. (Wide) -2 dBμ emf typ. (Narrow) |
| Adjacent channel selectivity | | 70 dB | 70 dB (Wide) 60 dB (Narrow) |
| Spurious response | | 70 dB | |
| Intermodulation | | 68 dB | 65 dB |
| Hum and noise | | 40 dB | 40 dB (Wide), 34 dB (Narrow) |
| Audio output power | Internal SP External SP | 700 mW typical (at 10% distortion with 12 Ω load at 1 kHz) 700 mW typical (at 10% distortion with 8 Ω load at 1 kHz) | |

Measurements made in accordance with EN 301-178 or EN 300 086.
All stated specifications are subject to change without notice or obligation.

Applicable U.S. Military Specifications & IP Rating

| Standard | MIL 810 G | |
|-------------------|-----------|-----------|
| | Method | Procedure |
| Low Pressure | 500.5 | I, II |
| High Temperature | 501.5 | I, II |
| Low Temperature | 502.5 | I, II |
| Temperature Shock | 503.5 | I-C |
| Solar Radiation | 505.5 | I |
| Rain Blowing/Drip | 506.5 | I, III |
| Humidity | 507.5 | II |
| Salt Fog | 509.5 | - |
| Dust Blowing | 510.5 | I |
| Immersion | 512.5 | I |
| Vibration | 514.6 | I |
| Shock | 516.6 | I, IV |

Also meets equivalent MIL-STD-810-C, -D, -E and -F.

| Ingress Protection Standard | Dust & Water |
|-----------------------------|---|
| | IP67 (Dust-tight and waterproof protection) |