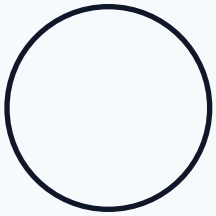
Bluetti EP500Pro (5,120Wh LiFePO4) - CONTROL PANEL & RECEPTACLE PINOUT

Control panel layout featuring NEMA 14-50R (120/240V 50A), NEMA L14-30R (30A), and Digital Data Center.

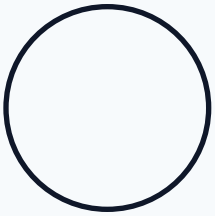
PIN 1: NEMA 14-50R RECEPTACLE

120/240V 50A Split-Phase Home Backup



PIN 2: NEMA L14-30R TWIST-LOCK

120/240V 30A Transfer Switch Port



DIGITAL DATA CENTER (VFT METER) & DUPLEX 5-20R GFCI RECEPTACLES

Displays 240.0V / 60.0Hz / Cumulative Hours / Load Bar.

Bluetti EP500Pro (5,120Wh LiFePO4) - ELECTRICAL SCHEMATIC & WIRING DIAGRAM

Factory Neutral Status: Floating Neutral. Inspect neutral bus and chassis ground stud per NEC 250.20.

INVERTER STATOR WINDINGS

Hot Leg L1 (Black) + Hot Leg L2 (Red)

Neutral Conductor (White Wire)

FRAME GROUND STUD & NEUTRAL BUS

Equipment Grounding Terminal (Green)

Wiring diagram citation: Page 24, Section 4.3

Bluetti EP500Pro (5,120Wh LiFePO4) - KNOW YOUR GENERATOR & COMPONENT OV

Main component features, fuel selector valve, recoil starter, and frame overview.

1. Tri-Fuel Demand Regulator & Brass Quick-Connect Inlet

2. Copper-Wound Inverter Alternator Assembly

3. Spark-Arrestor Acoustic Muffler & CO Sensor Module

4. Crankcase Oil Fill Port & Magnetic Dipstick Boss