Lithium-ion Battery

Rackwall 15 51.2V280AH

Knox

Model:
LIO 15.0-IP20

| IP20 Protection | 4.3" HMI Touchable Screen | 0.5C Continuous Charge / Dischage | 6000 Cycles | 5 Years Warranty | 280AH Capacity | REPT Powered by REPT | LiFePO4 Cells | BMS PACE BMS | Parallel upto 15 Units |

Safety

- Long life type prismatic LiFePO4 cells, suitable for energy storage application.
- Low voltage system, safety for application.
- Cell certification: IEC62619, UL1973, UL9540A, ROHS.
- Battery certification: UN38.3, MSDS, CE

Scalability

- Parallel support for more energy.
- Communication compatible with the major inverter manufacturers, Change different inverter protocol by LCD.

Design

- Standard 19" rack design.
- Flexible and easily installation, rack mounted.
- -20~+55°C widely temperature range.
- 4.3" touch LCD screen.
- Quick Lock and Press-to- Release Terminals.
- Maintenance free.

Battery Management System

- Independent protection for charge and discharge.
- SOC, Alarm, Run display and PC software for detailed operation.
- OVP, LVP, OCP, OTP, LTP, Short-circuit protection.
- RS485,CAN communication port for inverter and Link in & out for battery to battery communication.

Technical Data Sheet

Model	LIO 15.0-IP20
Nominal Voltage [V]	51.2
Nominal Capacity [Ah]	280
Total Energy [Wh]	14336
Dimension (W*D*H, mm)	442*650*250
Weight [Kg]	115.2
Max. Charging Current	150 A
Max. Discharging Current	150 A
Pulse Discharge Current	180A @2S
Charging Voltage [V]	55.2~57.6
End of Dicharge Voltage [V]	44
Operation Humidity	0~95% RH (No condensing)
Operating Temperature Range	Charge: 0 ~ +55°C; Discharge: -20 ~ +55°C
Cycle Life [1]	>8000
Designed Calendar Life	10 Years
Communication interface	For inverter : RS485, CAN For battery to battery: LINK-IN, LINK-OUT
Protection	Over voltage, Low voltage, Over current, Over Temperature, Low Temperature, Short circuit
Parallel Support [2]	Yes, Max. 15 Sets
Series Support	Not support

Note:

(1) 25°C, 0.5C /0.5C , 90%DOD to 80% of initial capacity.

(2) For parallel connection, refer to user manual.

Compatible with Inverter Brands

Knox   GOODWE   solis   SMA   Voltronic Power   Solplanet   PYLONTECH

Felicitysolar   Deye 德業   NEXT Next Power   SAKO SINCE 1993   SUN SYNK   phocos   LUXPOWER TEK

MUST   MOTOMA Power into the Future   SRNE   SUMRY   CROWN micro   SOROTEC Power Solutions Expert   victron energy BLUE POWER

marvel Tech   MEGAREVO   GROWATT   SOLAX POWER   SOFAR SOLAR   Many More.....