DUAK ENERGY PVT. LTD.

THE NAME OF TRUST | AN ISO 9001:2015 CERTIFIED CO.

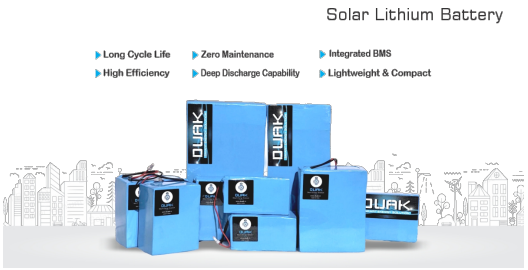
Govt. of India Approved Clean Energy & Lithium-Ion Manufacturer

Jaipur Manufacturing Works | RIICO Industrial Area, Rajasthan, India

DUAK SOLAR-CORE | **100Ah - 250Ah HIGH-C10**

DEEP-CYCLE SOLAR TUBULAR & ADVANCED LIFEPO4 INVERTER

FLAGSHIP SERIES



KEY TECHNICAL BENCHMARKS & RATINGS

Rated Ampere-Hour Rating	100Ah / 150Ah / 200Ah / 250Ah
Nominal Operating Voltag	12.8V DC / 25.6V DC / 48V DC
Electrolyte & Spine Tech	High-Pressure Die-Cast Spine A
Deep Discharge Resilienc	Recovers 100% from 80% Deep Do
Self-Discharge Per Month	< 2.5% Extremely Low Leakage
High-Temp Operating Rang	-15°C to +55°C Ambient Stabili
Inbuilt Ceramic Vent Plu	Anti-Fume Micro-Porous Vent Fi
Terminal Post Architectu	Solid Heavy-Duty Forged Brass
Corrosion-Proof Containe	Shock-Resistant Ultra PP Conta
Long Warranty Protection	Up to 60 Months Comprehensive

KEY ADVANTAGES & ENGINEERING EXCELLENCE

High-Pressure Die-Cast Spines

- Grain-refined lead alloy withstands severe corrosi
- Provides exceptional endurance against frequent load c

Ultra-Low Maintenance Architecture

- Ceramic vent floats reduce electrolyte water top-u
- Operates reliably for over 12 months without maintenan

Rapid Solar Power Absorption

- Specially formulated active paste charges 30% fast
- Captures maximum energy even during cloudy monsoon hou

High Thermal Tolerance

- Engineered to withstand harsh Indian summer temper
- Maintains optimal chemistry up to +55°C ambient heat

Heavy-Duty Brass Terminals

- Solid forged brass eliminates terminal melting and
- Ensures zero voltage drop under high inverter surges

60-Month Warranty Protection

- Direct manufacturer replacement assurance nationwi
- Pan-India authorized dealer and DUAK Sathi service net

DUAK ENERGY PVT. LTD. | Works: RIICO Industrial Area, Jaipur, Rajasthan, India

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DUAK ENERGY — THE NAME OF TRUST

DUAK ENERGY | DUAK SOLAR TUBULAR & LFP BATTERIES

COMPLETE ENGINEERING SPECIFICATIONS & REGULATORY COMPLIANCE DATASHEET

TECHNICAL SPECIFICATIONS	100Ah (C10)	150Ah (C10)	200Ah (C10)	250Ah (C10)
Nominal Voltage (V)	12V	12V	12V	12V
Rated Capacity @ C10 (Ah)	100	150	200	250
Electrolyte Volume (Ltrs)	16.5	21.0	27.5	34.0
Total Stored Energy (Wh)	1,200	1,800	2,400	3,000
Specific Gravity (Fully Charged)	1.250 ± 0.005	1.250 ± 0.005	1.250 ± 0.005	1.250 ± 0.005
Self-Discharge per Month	< 2.5%	< 2.5%	< 2.5%	< 2.5%
Max. Recommended Charge (A)	10	15	20	25
Cycle Life @ 80% DoD	1,800+ Cycles	2,200+ Cycles	2,400+ Cycles	2,500+ Cycles
Container Material	Polypropylene	Polypropylene	Polypropylene	Polypropylene
Dimensions (L x W x H) (mm)	505x190x410	505x190x410	505x190x440	515x205x460
Gross Weight Filled (kg)	45.0	58.0	68.5	78.0
Standard Warranty Coverage	36 Months	48 Months	60 Months	60 Months

CERTIFIED REGULATORY COMPLIANCE STANDARDS:

• IEC 62109-1 / 62109-2 (Safety) • IEC 61000-6-1 / 6-3 (EMC) • CE Directives • ISO 9001:2015 • MNRE & BIS Approved

DUAK CORPORATE ADVANTAGE & QUALITY ASSURANCE

Jaipur Manufacturing Works: Automated robotic assembly with 100% 48-hr full-load burn-in testing.

DUAK Sathi Pan-India Network: Authorized on-site field engineers across 28 states for immediate support.

Up to 10-Year Comprehensive Warranty: Direct manufacturer warranty with zero-downtime spare dispatch.

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