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 SHS-PORTABLE

MULTI-ROOM DC KIT

PORTABLE RURAL & CAMPING SOLAR HOME LIGHT WITH MOBIL

FLAGSHIP SERIES



KEY TECHNICAL BENCHMARKS & RATINGS

Inbuilt Battery Storage	:	Integrated 12.8V LiFePO4 Inbui
Included DC LED Bulbs	:	3x High-Lumen DC LED Bulbs + 5
Dual Fast USB Charging	:	Dual 5V/2A Quick Mobile Phone
DC Appliance Output Supp	:	Supports 12V DC Table Fan / TV
Solar Panel Kit Included	:	20W / 40W High-Efficiency Mono
Full-Charge Lighting Bac	:	12 to 18 Hours Continuous Back
Battery Operating Durabi	:	3,000+ Deep Cycles (8+ Years L
Integrated BMS Safety	:	Over-Charge, Short-Circuit Cut
Rugged Portability Handl	:	Impact-Resistant ABS Carry Enc
Tool-Free Installation	:	100% Plug-and-Play (Zero Elect

KEY ADVANTAGES & ENGINEERING EXCELLENCE

Complete Multi-Room Illumination

- Brightens 3 separate rooms with individual cord sw
- Provides reliable bright light during power cuts

Dual Quick Mobile Charging

- Charges 2 smartphones simultaneously with 5V/2A po
- Ensures phones and torches are always charged

Integrated Safe LiFePO4 Battery

- 5x longer lifespan than old lead-acid portable lig
- Eliminates toxic lead fumes and frequent battery death

Fast Daytime Solar Recharging

- High-efficiency monocrystalline panel recharges in
- Supplies power all day and night continuously

Rugged Portable Build

- Compact shock-resistant body designed for rural ho
- Perfect for farmhouses, grocery shops, and outdoor cam

Instant 2-Minute DIY Setup

- Color-coded plugs ensure anyone can connect it ins
- Zero tools or electrician required for installation

DUAK ENERGY | DUAK SOLAR HOME LIGHTING SYSTEM

COMPLETE ENGINEERING SPECIFICATIONS & REGULATORY COMPLIANCE DATASHEET

TECHNICAL SPECIFICATIONS	SHS-15W	SHS-20W	SHS-30W	SHS-40W DELUXE
Solar Panel Capacity (Mono)	15W / 18V	20W / 18V	30W / 18V	40W / 18V
Internal Battery Chemistry	LiFePO4	LiFePO4	LiFePO4	LiFePO4
Battery Voltage / Capacity	12.8V 6Ah	12.8V 10Ah	12.8V 15Ah	12.8V 20Ah
Total Stored Energy (Wh)	76.8 Wh	128 Wh	192 Wh	256 Wh
Number of LED Bulbs Included	2x 3W Bulbs	3x 5W Bulbs	4x 5W Bulbs	4x 7W Bulbs
Total Light Output (Lumens)	600 lm	1,500 lm	2,000 lm	2,800 lm
USB Mobile Charging Ports	1x 5V/1A	2x 5V/2.1A	2x 5V/2.4A	2x 5V/3A Fast
DC Fan Output Support	No	Yes (12V DC)	Yes (12V DC)	Yes (12V DC)
Backup Duration (3 Bulbs)	8 - 10 Hours	12 - 14 Hours	15 - 18 Hours	20 - 24 Hours
Solar Charging Time	4 - 5 Hours	4 - 5 Hours	4 - 5 Hours	4 - 5 Hours
Casing Material	High-Impact ABS	High-Impact ABS	High-Impact ABS	High-Impact ABS
Dimensions (W x H x D) (mm)	220x150x80	250x170x90	280x190x100	300x210x110
Product Warranty	2 Years	2 Years	2 Years	2 Years

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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