

WHY INVEST IN PAKISTAN SOLAR PV & POWER STORAGE?



SOLAR PV MANUFACTURING

 SOLAR POTENTIAL	 RE TARGET (2030)	 SOLAR IMPORTS (FY24)	 INSTALLED SOLAR (2023)	 PUBLIC SECTOR TARGET
2,200–2,900 GW	30% SHARE IN ENERGY MIX	15 GW PANELS USD 2.1B	1,244 MW (+17% YOY)	1,244 MW (+17% YOY)

LOCAL INDUSTRY SNAPSHOT

Local Assembly Units
8–10 (modules, inverters)

Chinese Entrants
Jinko, Longi (JV prospects)

Domestic Silica Reserves
175M MT (quantified)

Policy Timeline
2025–2035 (finalized)

Key Institutions
EDB, MoIP, PCRET

INCENTIVES & POLICY SUPPORT

Custom Duty (Panels)
0%

Sales Tax
18%
(under harmonization review)

Duty on Components
0–20%

SEZ Access
Fast-track support for factories

Incentive Framework
Linked to investment, export, capacity targets

GROWTH OPPORTUNITIES

Solar Cell & Wafer Manufacturing (Silica-based JVs)

R&D & Certification Labs (IEC/UL compliant)

Exports to US, Middle East (30 GW/year demand)

Equal Tax Treatment for Local & Importers

10-Year Guaranteed Incentive Policy (2025–2035)

BATTERY STORAGE SECTOR			KEY PRODUCERS	
Market Size (2024)	Forecast (2032)	Growth Driver	Atlas, Exide, Osaka, Daewoo, Volta, Phoenix, Force	Locations Karachi, Lahore, Rawalpindi, Hattar, Islamabad
USD 1.2B	USD 1.8B+	3.5% CAGR in solar, EV, telecom		

TECH LANDSCAPE

Lead-Acid Batteries
High domestic production

Lithium-Ion Packs
Limited pilot assembly

Cell Production
100% imported

Battery Management Systems (BMS)
No local production

STRATEGIC OPPORTUNITIES	
Cell Manufacturing JVs (China, Korea)	Testing Labs under EDB/PCRET (IEC standards)
SEZ-based Battery Pack & BMS Clusters	Battery Innovation Fund with Tax Waivers
Aligned Battery Policy with NEV Roadmap	Regional Export Markets (MEA, Telecom, EVs)

NATIONAL ALIGNMENT

Energy Security

Make-in-Pakistan Industrial Policy

Climate Goals (NDCs & Paris Agreement)

Regional Export Diversification