

STRONG

SOLAR PHOTOVOLTAIC MODULE

Unique frame design with high Mechanical strength



Excellent performance under low light conditions



Advanced module processing technology

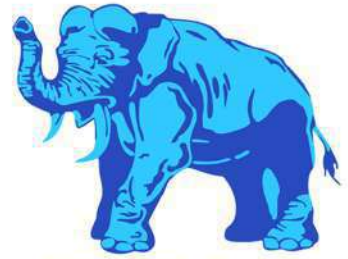


High conversion efficiency & Higher output



Easy installation & Low breakage rate





**JDIYAN
INTERNATIONAL**

WHO WE ARE

JDIYAN INTERNATIONAL IS AN ENERGY STORAGE COMPANY BASED IN INDIA, UAE & GHANA. WE ARE SPECIALIZED IN SOURCING, SUPPLY AND CONTRACT MANUFACTURING OF AUTOMOTIVE BATTERIES, INVERTERS, TUBULAR & BATTERIES FOR DIFFERENT STORAGE APPLICATIONS. THE COMPANY HAS FOOTPRINTS OF DISTRIBUTION IN GULF, ASIA & AFRICA. SINCE OUR INITIALS ESTABLISHMENT, WE HAVE BEEN GROWING CONSISTENTLY IN SIZE AND GEOGRAPHY, ADAPTING TO THE DEMAND OF THE INDUSTRY WITH ESTABLISHING KEY PARTNERSHIPS. OUR MANAGEMENT CONSISTS OF PROFESSIONALS WITH OVER 2 DECADES OF EXPERIENCE IN THE INDUSTRY WHO HAVE BEEN TAKING OUTMOST CARE OF THE QUALITY OF PRODUCTS. WE ENVISION GROWTH BY UNDERSTANDING THE NEEDS OF THE CUSTOMER AND ACHIEVING THE COMMON OBJECTIVE. EACH MARKET IS UNIQUE AND OUR TEAM WORK ON INDIVIDUAL MARKETS WITH IT'S UNIQUENESS. DRIVEN BY SYSTEMS AND PROCESSES WITH FLEXIBILITY AT WORK IN DIFFERENT TIME ZONES & FULFILLING

OUR IDEOLOGY

- **TEAM WORK**
- **EMPOWERMENT**
- **OWNERSHIP**
- **INNOVATION**
- **QUALITY**
- **TRANSPARENCY**

OUR VALUES

- **COMING TOGETHER IS A BEGINNING**
- **KEEPING TOGETHER IS A PROCESS**
- **WORKING TOGETHER IS A SUCCESS**

Specifications

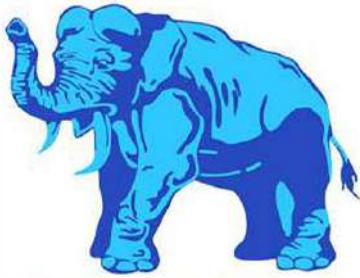
Electrical Parameters

Model	FRS 50W	FRS 75W	FRS 100W	FRS 150W	FRS 200	FRS 220W	FRS 250W	FRS 300W
Maximum Power (P _{mx}) Wp	50	75	100	150	200	220	250	300
Maximum Power (V _{mp})	17.95	18.00	18.00	18.10	30.40	26.75	30.50	36.90
Maximum Voltage (I _{mp})	2.80	4.10	5.60	8.31	6.58	8.25	8.20	8.13
Open Circuit Voltage (V _{oc})	21.50	21.50	22.00	22.50	37.10	33.20	37.40	44.90
Short Circuit Current (I _{sc})	3.15	4.35	6.10	8.72	7.25	8.70	8.72	8.75
Junction Box	IP 65 rated Water Proof Nylon 6							
Cable	On Request				Double Insulated Solar Cable with MC4 Connector			
Front Glass	Low Iron Content, Toughened & Tempered High Transmittance with Glass							
Solar Cells	36 Cells			60 Cells	54 Cells	60 Cells	72 Cells	
Cell Encapsulation	EVA (Ethylene Vinyl Acetate)							
Back Side	TPT / EVA White Color							
Frame	Anodized Aluminum Frame							

Temperature Coefficients		Operating Conditions	
		Temperature Range	(-40°C to +85°C)
Coefficients of Current α	0.05%/°C	Maximum System Voltage	1000V
Coefficients of Voltage β	0.34%/°C	Maximum Surface Load Capacity	Tested up to 2400Pa according to IEC 61215
Coefficients of Power γ	0.45%/°C	Warranty	10 Years Product Workmanship, 25 Years Linear Power Warranty (Please refer to Product Warranty manual)

All Electrical Parameter Specified at STC : 25°C, Cell Temperature : 1000W/m, Irradiance :AM 1.5





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