

All In One Solar PV Kit



OORJA ON MOVE INFRA PVT LTD

Towards a greener tomorrow

ALL IN ONE KIT

1. Inverter



4. Solar Junction Box



3. Cables



2. Solar Panel

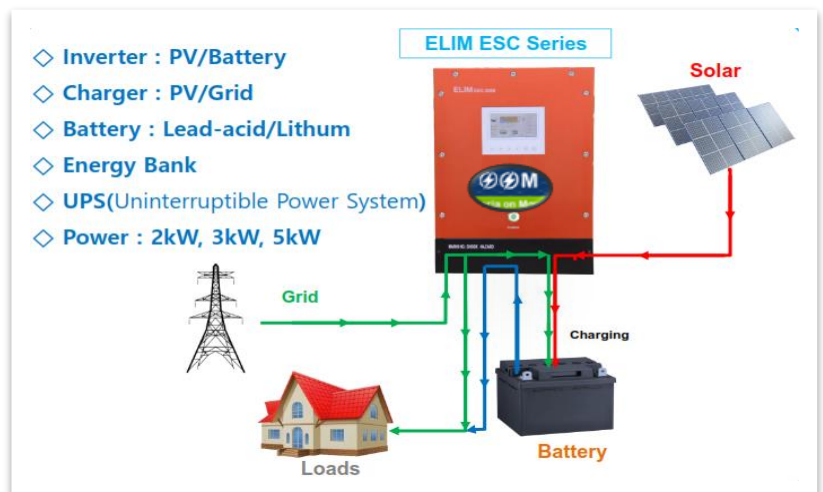
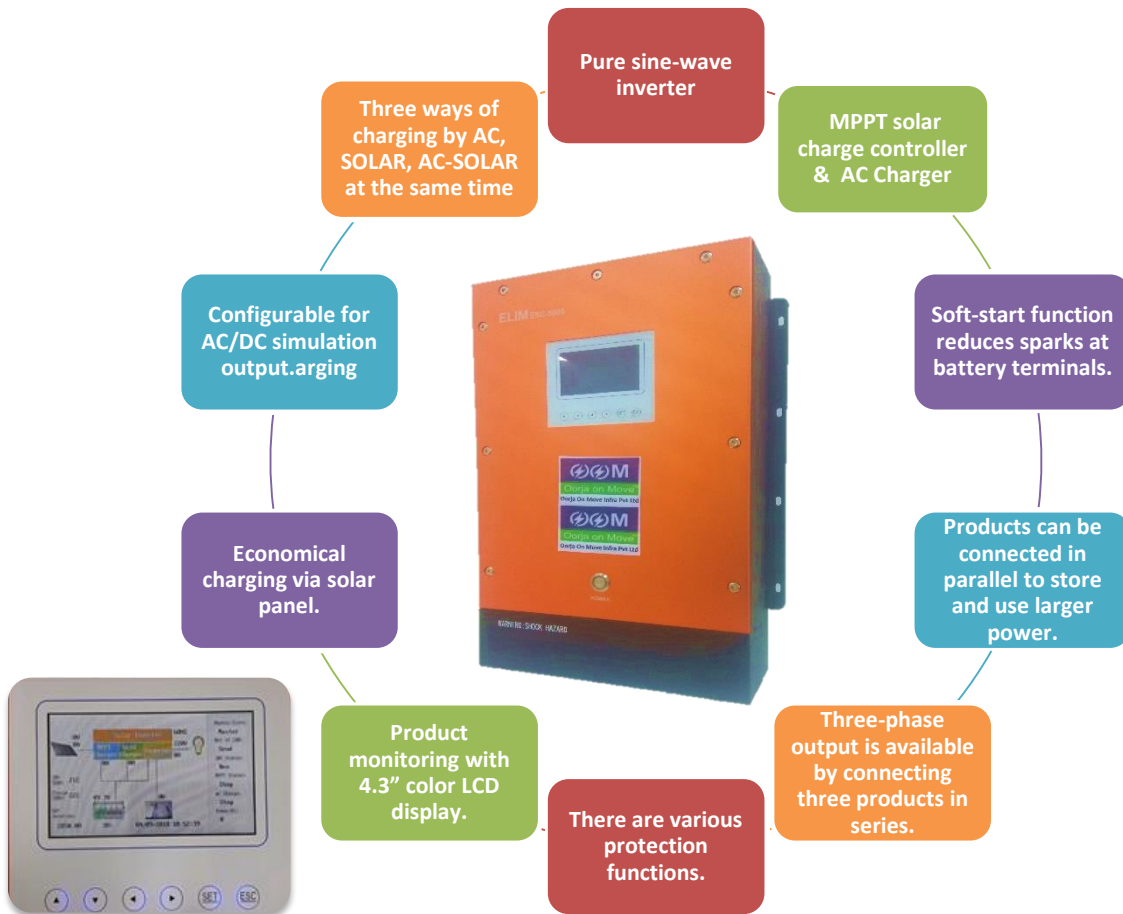


Item	Specification	Unit	2 KwP	3 KwP	5 KwP	10 KwP
Solar Panel	330Wp	No	6	9	16	On demand
DC Cable	4 Sq mm	Mtr	30	30	40	
Inverter	Hybrid	No	1	1	1	
AC Cable	4 Sq mm	mtr	30	30	40	
DCDB & ACDB		No	1	1	1	

Note: Structure, Earthing, Battery, Energy meter, Lightning Arrester and installation Services are not part of standard kit. Additional requirement served on demand

One stop solution

Hybrid Inverter



Efficient, Credible, Reliable, Safe

Inverter Technical Specification

Models & Specifications		ESC 2000A	ESC-2000B	ESC-3000A	ESC-3000B	ESC-5000B	
Input	Solar	Max Voltage	150V	150V	150V	150V	150V
		PV Voltage	36V-150V	72V-150V	36V-150V	72V-150V	72V-150V
		Current(max.)	40A		50A		60A
	AC	Voltage	100-110V/220-230V				
		Current(max.)	25A/15A		25A/15A		15A
		Inrush Current	60A/40A(1ms)		90A/60A(1ms)		150A/100A(1S)
		Frequency	50Hz/60Hz				
	DC	Voltage	24V	48V	24V	48V	48V
		Current(max.)	120V	60A	180A	90A	120A
Output	AC	Battery	Lead Acid/Lithium-Ion				
		Voltage	100-110V/220-230V (Adjustable)				
		Current	18/9A		27.2A/13.6A		45.4A/22.7A
		Inrush Current	27A(1ms)		40.8A(1ms)		68A(1ms)
		Power Factor	>0.96				
		Frequency	50Hz/60Hz (Adjustable)				
	Power	2kW		3kW		5kW	
Charger	Battery	Type	Lead Acid/Lithium-Ion				
		Voltage	20.5V-31V	40.5V-62V	20.5V-31V	40.5V-62V	40.5V-62V
	Grid	Current(max.)	25A	15A	25A	15A	15A
	MPPT	Current(max.)	110A	55A	130A	65A	75A
Environment	Type of installation		Indoor				
	Ambient temperature °C		-20 °C ~ 50 °C				
	Storage Temperature °C		-30 °C ~ 70 °C				
	Humidity		Under 90% non condensing				
Dimensions	Size(W*H*D)		37cm*48cm*11.5cm				
	Product weight (kg)		10.9kg/12kg		12.7kg/13.5kg		14.3kg/16.5kg
Protection	Short Circuit, Over current, Over load, AC Voltage Protection,						

Pure sine-wave inverter, a MPPT solar charge controller and an AC Charger

Soft-start function reduces sparks which occurs when connecting cables to battery terminals.

Products can be connected in parallel to store and use larger power.

Three-phase output is available by connecting three products in series.

There are various protection functions.

Product monitoring with 4.3" color LCD display.

Specification suits Most Application

Solar Panel Technical Specification

Electrical Data	at Standard Test Condition 1000W/m ² , 25°C and AM1.5
Maximum Power (Pmax)	330W p
Open Circuit Voltage (Voc)	44.64V
Short Current Current(Isc)	9.35A
Maximum Voltage(Vmp)	36.5V
Maximum Current (Imp)	9.05A
Tolerance @ Maximum Power (Pmax)	±3%
Thermal Data	
Temperature Coefficient - Voc	-0.36%/K
Temperature Coefficient -Isc	0.06%/K
Temperature Coefficient - Pmax	-0.43%/K
NOCT (Normal Operating Cell Temperature)	47±2° C
Mechanical Data	
Cell Type	Multi Crystalline
Solar Cell Per Module	72Cell
Module Dimensions Length x Width x Thickness	1960 x 996 x 38mm
Mounting Hole pitch (Y)	1200 & 500mm
Mounting Hole pitch (X)	946mm
Mounting Hole Size (A)	12.5 x 8.5 mm oblong hole @ 8 places
Grounding Hole Size (B)	7mm dia. circular @ 2 places
Module Area	1.952sqmtrs
Module Weight	23kg
Junction Box	IP67 With 3 diode.
Cables & Plug	MC4
Front Cover	3.2 Toughened Low Iron Glass
Embedding	EVA (ethylene vinyl acetate)
Permissible Operating Conditions	
Operating Temperature Range	-40°C to 85°C
Maximum Systems Voltage	1000VDC
Application Class	A
Warranty and Certifications	
Product Warranty	10 years on materials & Workmanship
Performance Warranty	25 years linear power output
Certification	IEC-61215 , IEC61730, IEC 61701-TUV Rhineland ISO 9001 -2015 and ISO 14001 -2015

Specification suits Most Application

Junction Box Technical Specification

4 IN 1 OUT DCDB			
DESCRIPTION	QTY.	UNIT	SPECIFICATION
DC SPD (1000 DC, I _{max} -40kA, In-20kA)	1	No.	
Fuse Link(1000 Volt, 15 Amp)(+ve string)	4	Nos.	Din Rail Mounted
Fuse Holder(1000 V, 32 Amp)	4	Nos.	
6sqmm Terminal block(-ve string)	4	Nos.	
10sqmm Terminal block output	2	Nos.	
Input Earth Gland (Input & Earthing-PG7)	9	Nos.	
Input Earth Gland (Output-PG10)	2	Nos.	
DC MCB(40A DP)(OUTPUT)	1	No.	
Polycarbonate type Enclosure (L*W*D) 300*220*140mm	1	No.	
IP65/IP67		-	
Din Rail	1	No.	180 MM Length



2 IN 2 OUT ACDB			
DESCRIPTION	QTY.	UNIT	SPECIFICATION
AC MCB (DP, 16 A)	1	No.	For Load
AC MCB (DP, 32 A)	1	Nos.	For Grid
AC SPD (Type II, 1000V)	1	Nos.	
PG Gland(PG-7)	5	Nos.	
Polycarbonate type Enclosure	1	Nos.	
IP65/IP67	-	Nos.	
Din Rail	1	Nos.	

The product images are illustrative only actual product may differ

Specification suits Most Application

Customer Credentials



Customer Satisfaction Guaranteed

Engineered Energy Solutions & Services



 **+1GW Credentials established worldwide**

Dealership Enquiries Solicited



Solar EPC



EV Charging



E Storage




Li-ion Battery



E-Vehicle




Inverter



Solar Module



Junction Box




Cables



SCADA



Telecom



Traceability

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