

ISA STAR-C Somalia invites you to
8-day in-person training

Solar Photovoltaic Training on Rooftop Solar PV Solar Pumping & Mini grids

Learn the fundamentals of Solar PV system Installation, commissioning, operation and maintenance



PROGRAMME HIGHLIGHTS

- Fundamentals of Solar PV Technology
- Understanding Rooftop Solar PV System
- System Electrical Design
- Wiring and Cabling (AC & DC)
- PV system Components
- Quality & Safety Checks
- Safety Practices
- Tools and Instruments Handling
- Installation & Inspection of Solar PV Systems
- Commissioning & Operation of Solar PV System
- Hands-on Practice
- Understanding Solar PV Technology for Solar Pumping & Mini Grid
- Exposure Visits to Solar PV Project Site

LIMITED SEATS | REGISTER AT NO-COST

SOLAR ROOFTOP

Batch 1

02 - 10
JULY 2024

Batch 2

21 - 29
JULY 2024

SOLAR PUMPING & MINI GRID

Batch 1

05 - 13
AUGUST
2024

Batch 2

31 AUGUST -
08 SEPTEMBER
2024

Time: 09:00 - 17:00 hrs

Register here:

<https://forms.gle/nf4wZqhPqD68HXmb9>



TARGET GROUPS

- ▶ Certified Electricians
- ▶ Practicing Electricians
- ▶ Practitioners and Technicians
- ▶ Early Engineering Students
- ▶ Graduates from TVET/Polytechnic



CERTIFICATION

A certificate will be awarded to participants on successful completion of the course

ADDRESS

STAR-C, Somalia
Afgoye Road, KM5, Wadajir
District Mogadishu, Somalia

APPLICATION

Contact

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Schedule of the in-person training on rooftop solar PV system (STAR-C Somalia)

Day 1- 4

	Day 1	Day 2	Day 3	Day 4
09:00 - 10:30	Registration I Introduction	Connections of solar PV modules and inverters	Solar inverters used in grid-connected systems (I)	Sizing cables and accessories for grid-connected solar PV systems
10:30 - 10:45	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
10:45 - 12:15	Solar resource and energy demand	Working with tools and instruments for solar PV systems	Practical on wiring diagrams (I)	Installation of PV systems
12:15 – 13:45	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>
13:45 - 15:15	Grid-connected solar PV system configurations and components (I)	Practical on PV modules	Practical on wiring diagrams (II)	Practical of solar PV grid-connected system assembly (I)
15:15 – 15:30	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
15:30 - 17:00	Grid-connected solar PV system configurations and components (II)	Practical on PV modules	Practical on wiring diagrams (II)	Practical of solar PV grid-connected system assembly (I)

Day 5 - 8

	Day 5	Day 6	Day 7	Day 8
09:00 - 10:30	Practical of solar PV grid-connected system assembly (II)	Electrical tests and commissioning of grid-connected solar PV systems (I)	Operation and Maintenance	Theoretical and practical exam of participants
10:30 - 10:45	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
10:45 - 12:15	Practical of solar PV grid-connected system assembly (II)	Electrical tests and commissioning of grid-connected solar PV systems (II)	PV system inspection (I) [site visit]	Theoretical and practical exam of participants
12:15 – 13:45	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>
13:45 - 15:15	Practical of solar PV grid-connected system assembly (III)	Practical on electrical tests on assembled grid-tied solar PV system	PV system inspection (II) [site visit]	General review
15:15 – 15:30	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
15:30 - 17:00	Practical of solar PV grid-connected system assembly (III)	Practical on electrical tests on assembled grid-tied solar PV system	PV system inspection (II) [site visit]	Closing

Schedule of the in-person training on solar pump and mini grid (STAR-C Somalia)

Day 1- 4

	Day 1	Day 2	Day 3	Day 4
09:00 - 10:30	Registration and introduction	Connections of solar PV modules and charge controllers	Connections of solar batteries and inverters (I)	Sizing cables and accessories for off-grid solar PV systems
10:30 - 10:45	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
10:45 - 12:15	Solar resource and energy demand	Working with tools and instruments for solar PV systems	Connections of solar batteries and inverters (II)	Practical on wiring diagrams (I)
12:15 - 13:45	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>
13:45 - 15:15	Off-grid solar PV system configurations and components (I)	Practical on PV modules and solar charge controllers	Practical on solar batteries and inverters	Practical on wiring diagrams (II)
15:15 - 15:30	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
15:30 - 17:00	Off-grid solar PV system configurations and components (II)	Practical on PV modules and solar charge controllers	Practical on solar batteries and inverters	Practical on wiring diagrams (II)

Day 5 - 8

	Day 5	Day 6	Day 7	Day 8
09:00 - 10:30	Installation of PV systems	Practical of solar PV off-grid system assembly (III)	Electrical Tests, Operation and Maintenance (overview)	Theoretical and practical exam of participants
10:30 - 10:45	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
10:45 - 12:15	Practical of solar PV off-grid system assembly (I)	Practical of solar PV off-grid system assembly (III)	Solar Water Pumping Systems	Theoretical and practical exam of participants
12:15 - 13:45	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>	<i>Lunch Break</i>
13:45 - 15:15	Practical of solar PV off-grid system assembly (II)	PV system inspection	Practical on solar water pumping system	General review
15:15 - 15:30	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>	<i>Coffee Break</i>
15:30 - 17:00	Practical of solar PV off-grid system assembly (II)	PV system inspection	Practical on solar water pumping system	Closing