



Profile

**Shri Vaari Electricals Pvt Ltd.
For Solar**

Overview

- ▶ Shri Vaari Electricals Pvt Ltd, established in 1997, leads the industry as a top EPC contractor in India with a turnover exceeding Rs. 200 Crores.
- ▶ With over 400 dedicated employees and a track record of serving 3000+ customers, our expertise in solar energy, energy storage, EV infrastructure, and LED lighting is backed by a commitment to quality, reliability, and sustainability.



Our Solar Activity

Activity

- ▶ EPC (Concept to Commissioning)
- ▶ AMC & O&M

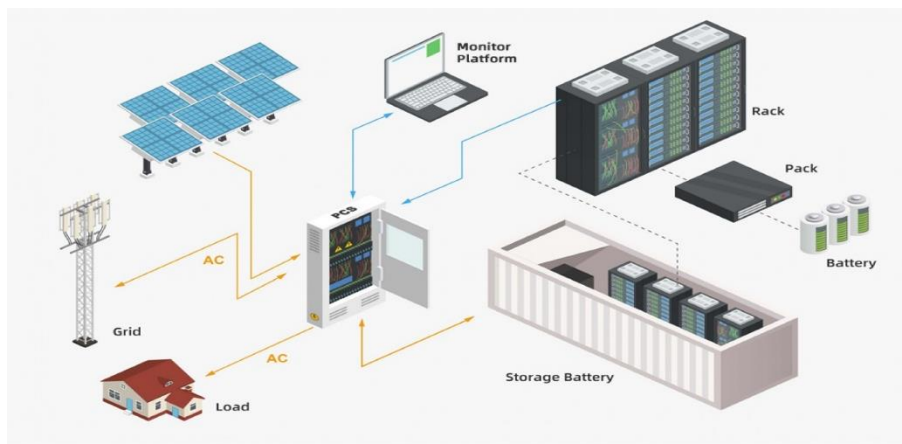


Other Activity

- ▶ Energy Storage Solutions
- ▶ Electrical Vehicle Infrastructure
- ▶ LED Lighting
- ▶ Solar/Wind Hybrid Systems
- ▶ Solar Water Pump and Solar Water Heater

Battery Energy Storage Systems (BESS)

- ▶ BESS stores electrical energy in batteries for later use.
- ▶ Provides flexibility in managing energy demand and supply.
- ▶ Enables integration of renewable energy sources into the grid.
- ▶ Enhances grid stability and reliability.
- ▶ Supports peak shaving and load shifting strategies.
- ▶ Reduces electricity costs and carbon emissions.



Completed Jobs

Solar Jobs

- ▶ 500KWp grid tie solar rooftop power plant at **VOC Port Trust, Tuticorin.**
- ▶ 350KWp solar power plant at **Cognizant, Chennai.**
- ▶ 50KWp grid tie solar rooftop power plant at **Commissionerate of Municipal Administration Office, Chepauk, Chennai.**
- ▶ 100KWp grid tie solar rooftop power plant at **Chennai & Tirupur City Municipal Corporation, Velampalayam Zonal Office Building.**
- ▶ 1MWp **ETICA Developers at Aruppukottai.**
- ▶ 1MWp Solar Grid Tie Rooftop Plant at **Saveetha University, Chennai.**
- ▶ 15 Solar rooftop power plants at **Tirupur City Municipal Corporation, Nallur Zonal Office Building.**

Solar Liasioning Jobs

- ▶ **Bharathiyar University (Point of Supply-1) 230kW Rooftop Solar Power Plant**
- ▶ **Bharathiyar University (Point of Supply-2) 210kW Rooftop Solar Power Plant**
- ▶ **Capsol Energy Private Limited 10MW Solar Power Plant Periyar Madurai**
- ▶ **Century Plywood (India) Ltd 1056kW Rooftop Solar Plant Gummidipoondi**
- ▶ **Tirupur City Municipal Corporation 100kW Solar Power Plant**
- ▶ **Reliance Prolific Traders Private Limited-Erode**
- ▶ **1.5MWp Solar Power Plant at Exide Industries**
- ▶ **500KWp Solar Power Plant at Tuticorin VOC Port Trust**
- ▶ **350KWp Solar Power Plant at Cognizant Chennai**

Approvals

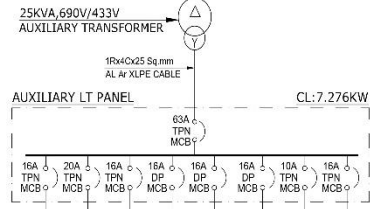
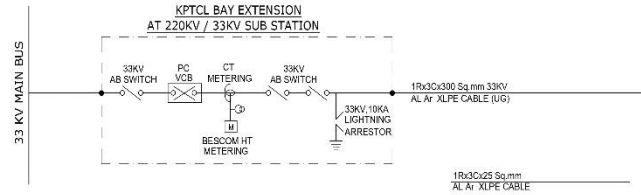
Our International Approvals

- ▶ ISO 9001:2015
- ▶ ISO 14001:2015
- ▶ OHSAS 18001:2007
- ▶ IEC 61439
- ▶ ASTA

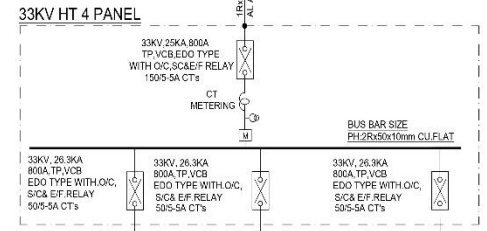


Our Approvals

- ▶ CRISIL MSE
- ▶ CARE RATINGS
- ▶ TEDA
- ▶ CPRI
- ▶ NSIC
- ▶ TANGEDCO
- ▶ TANTRANSCO
- ▶ TSTRANSCO
- ▶ APTRANSCO
- ▶ CEIG Andhra Pradesh
- ▶ CEIG Tamil Nadu
- ▶ CEIG Karnataka

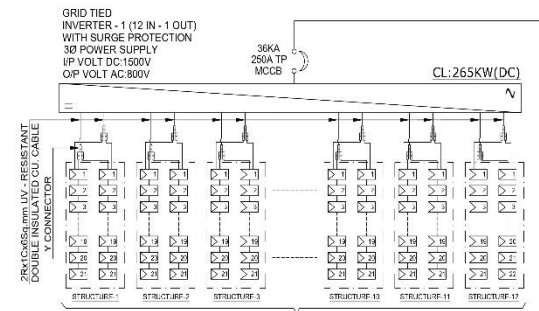
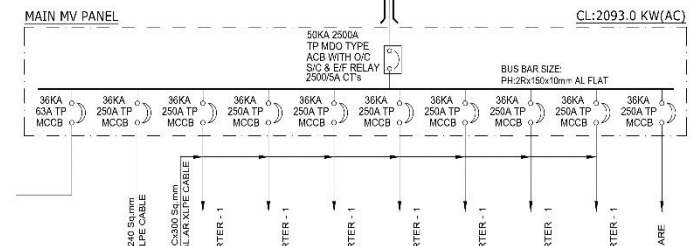
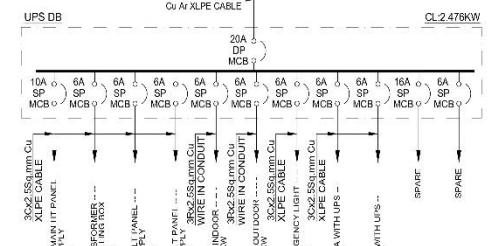
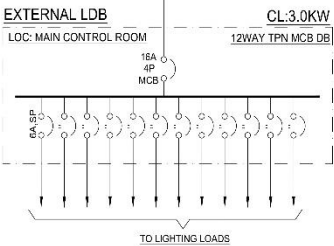
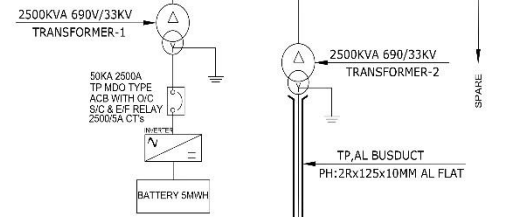


HT INTERLOCK NOTES
MECHANICAL INTERLOCKING ARRANGEMENT (LOCKING-KEY) IS PROVIDED BETWEEN 33KV AB SWITCH AND 33KV HT VCB FOR NO LOAD OPERATION



LEGENDS:

	VCB - VACUUM CIRCUIT BREAKER
	ACB - AIR CIRCUIT BREAKER (D/O TYPE)
	MCB - MINATURE CIRCUIT BREAKER
	MCCB - MOULDED CASE CIRCUIT BREAKER
	MECHANICAL INTERLOCK
	INVERTER
	SOLAR MODULE
	SURGE PROTECTION DEVICE



NOTES:

1. ALL CABLES ARE X LPE AL MIN UN ARMATURED CABLES UNLESS OTHERWISE MENTIONED
2. ALL EQUIPMENTS ARE DOUBLE EARTHED WITH ADEQUATE SIZE OF CU OR GI
3. ALL SET BACK PANELS USES ARE CONTROLLED BY TSA OR PCB AND WHEDED WITH 250MESH AL AL CABLES AND EARTHED TO N/0. 150MM²
4. BACK TEND NUTS BULBS AS PER IS 1618 IS 1619 OF ISB.
5. ALL MOTORS ARE 50A RATED
6. ALL 110V STRINGING CABLES ARE LIMITED TO 20M OR 30METS AND WHEDED WITH 250MESH WIRE 250MM² AL AL CABLES AND EARTHED TO N/0. 150MM²
7. LIGHTING WIRING SHALL BE DONE AS PER IS 732 OF 1989.
8. ALL ENERGY CONSUMING APPARATUS WILL BE CONNECTED THROUGH STARTER AND AN ISOLATOR WHEREVER IT NECESSARY WITH IN 3 METRES.
9. SUITABLE RATED FUSES WILL BE PROVIDED IN ALL FUS & EBN TO CO-RELATE WITH THE CURRENT CARRYING CAPACITY OF THAT WIRE CABLES.

SYSTEM DETAILS

DESCRIPTION	NUMBER	UNIT
NO OF 549Wp MODULES (7512+11492)	4038	Nos
NO OF STRUCTURE 8*12	96	Nos
NO OF STRING	192	Nos
NO OF STRING IN 12 STRUCTURE	24	STRING
NO OF MODULES AT inverter (1-7) (PER INVERTER 512 MODULES - 7512)	3584	Nos.
NO OF MODULES AT inverter 1-8	504	Nos.
NO OF MODULES AT inverter 7-8	565	Nos.
DC CAPACITY	2.2	mWp
AC CAPACITY	2.0	mWp

SHRI VAARI ELECTRICALS PVT LTD.
NO.C-37, THIRU - VI - KA INDUSTRIAL ESTATE, GUNDIY,
CHENNAI-52

DRAWN	CLIENT:
S.V.E.P.L	
APPROVED	DATE: 13/11/2023
	TITLE: ELECTRICAL SCHEMATIC DIAGRAM
DATE	DRG NO.: SVEPL / NRPSPL / 4002 / 2023
SCALE	
N.T.S	

We providing solar power plant solutions ranging from 10KW to 100 MW for various segments, including:

- ▶ Domestic Homes
- ▶ Education Institutions
- ▶ Hospitals
- ▶ Apartments
- ▶ Shopping Malls
- ▶ Factories
- ▶ High Rise Buildings
- ▶ Ground Mounted Installations
- ▶ And more.



Head Office Address

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Phone: 044 2250 0913

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