

**30MW**

# Thapyaywa-3 Solar Power Plant Project

## Project Location

Wet Toe Village Tract and Han Zar Village Tract,  
Thazi Township, Meiktila District, Mandalay Region

## Business Type

IPP (BOO) Basis

## Project Design

UniBright Power Engineering & Design Company Limited

## EMP Program

E Guard Environmental Services Co.,LTD  
SMEC (Member of Surbana Jurong Group)

## SALIENT FIGURE OF THE PROJECT

Installed Capacity	40.887 MW DC 33 MW AC	Cutting & Filling	110,128 Suds
Annual Generating	74 Million kWh	Pile Cap	11,505 Nos
Total Pile Foundation	11505 Nos	PV Module	74,340 Nos
Tracking Unit	885 Sets	Inverter	30 Nos (1 + x Centralized Inverters)
Total Quantity of Solar Panel	74340 Nos	ESS	12 MWh Liquid Cooling System
Transmission Line	3.3 Miles		



# Detailed Specification Of Main Materials

LOA issued date  
1 - Mar - 2023



Brand Name : LONGI  
Maximum Power (P max) : 550Wp  
Type : LR5-72HBD-550M  
Total Quantity : 74340 Pcs

## PV Module



Brand Name : Sungrow  
Model : PVS-20MH  
PV Input Voltage : 1500V  
Total Quantity : 150 Pcs

## DC Combiner



Brand : Sungrow SG6600UD-MV  
Nominal Capacity : 6600/7590kVA  
Dimension : 12192\*2896\*2438 mm (W\*H\*D)

## Inverter Turnkey Station



Brand : Sungrow  
Cell type : ST2293UX Liquid Cooling Energy Storage System  
Battery Capacity : 2293 kWh  
Output Voltage Range : 864 ~ 1168 V

## Energy Storage System

# WORKING PROGRESS - (85% Completed)



Transmission Line : 3.3 Miles  
Total Poles : 323 Nos

