- **Inverter**

An Inverter similar to Deye SUN-5K-SG03LP1-EU Three Phase
Battery Type: Lead-acid or Lithium-ion
Voltage Range: 40-60V
Max. Charging/Discharging Current: 135A
Max. PV Input Power: Up to 7800W
Max. PV Input Voltage: 500V
Rated Input/Output Power: Up to 6000W
Max. AC Input/Output Apparent Power: 6600VA
Rated AC Input/Output Current: Up to 27.3A
Max. Continuous AC Pass-through (Grid to Load): 35/40A
Peak Power (Off-grid): 2 times the rated power for 10 seconds
Power Factor Adjustment Range: 0.8 leading to 0.8 lagging
Warranty: 5 years
Monitoring System
Configuration of a remote monitoring system for real-time performance tracking and alerts in case of system issues.

- Battery

A battery equivalent to Medal power lithium 51.2V 200AH (5.120 KWH)
Safe, reliable, and long-life Voltage(V) 43.2~58.4V
Protection class IP21 with 6000 cycles
Support Bluetooth, mobile APP.
Number of parallel machines 15PCS
Battery communication interface preview
Product renderings 51.2V100Ah（48100R）
Battery must have Can port to Connect to Deye Inverter
Warranty 5 years

- **Solar Panels**

Solar Panel equivalent to Longi Hi-MO 580 to 600W
Bifacial Solar Panel LR5-72HGD-580M
Maximum Power Output (Pmax) 580W to 600W
Dimensions 227.8 × 3 × 113.4 cm
Weight 31.8 kg
Warranty 10 years

- **Delivery and Installation**

Delivery and installation will be conducted at the location specified by the requester. The scope of work includes all necessary components, with quantities adjusted as needed.

1. Pre-Installation Site Assessment
On-site evaluation to ensure installation readiness.
Assistance with obtaining permits, if required.

2. DC Electrical Setup
Installation of a DC board, including:
Individual breakers.
Main bus bars.
Grounding points.
Provision of DC-rated cables and circuit breakers.
Cable lengths optimized to minimize voltage drop.

3. Solar Mounting System
Installation of a mounting system made from anodized aluminum for durability and stability.

4. Electrical Protection Board for Inverter
Installation of a well-constructed solar basement using galvanized 1.5 mm 4x4 iron for enhanced durability and corrosion resistance.
The iron framework ensures a stable foundation for the solar panels, capable of withstanding varying weather conditions.
The design allows for easy access to the basement for maintenance and inspections, ensuring efficient operation over time.

5. Safety and Compliance
Proper grounding and bonding of the system.
Surge protection for electrical safety.
Full compliance with IEC and NEC standards.
Warranty One Year