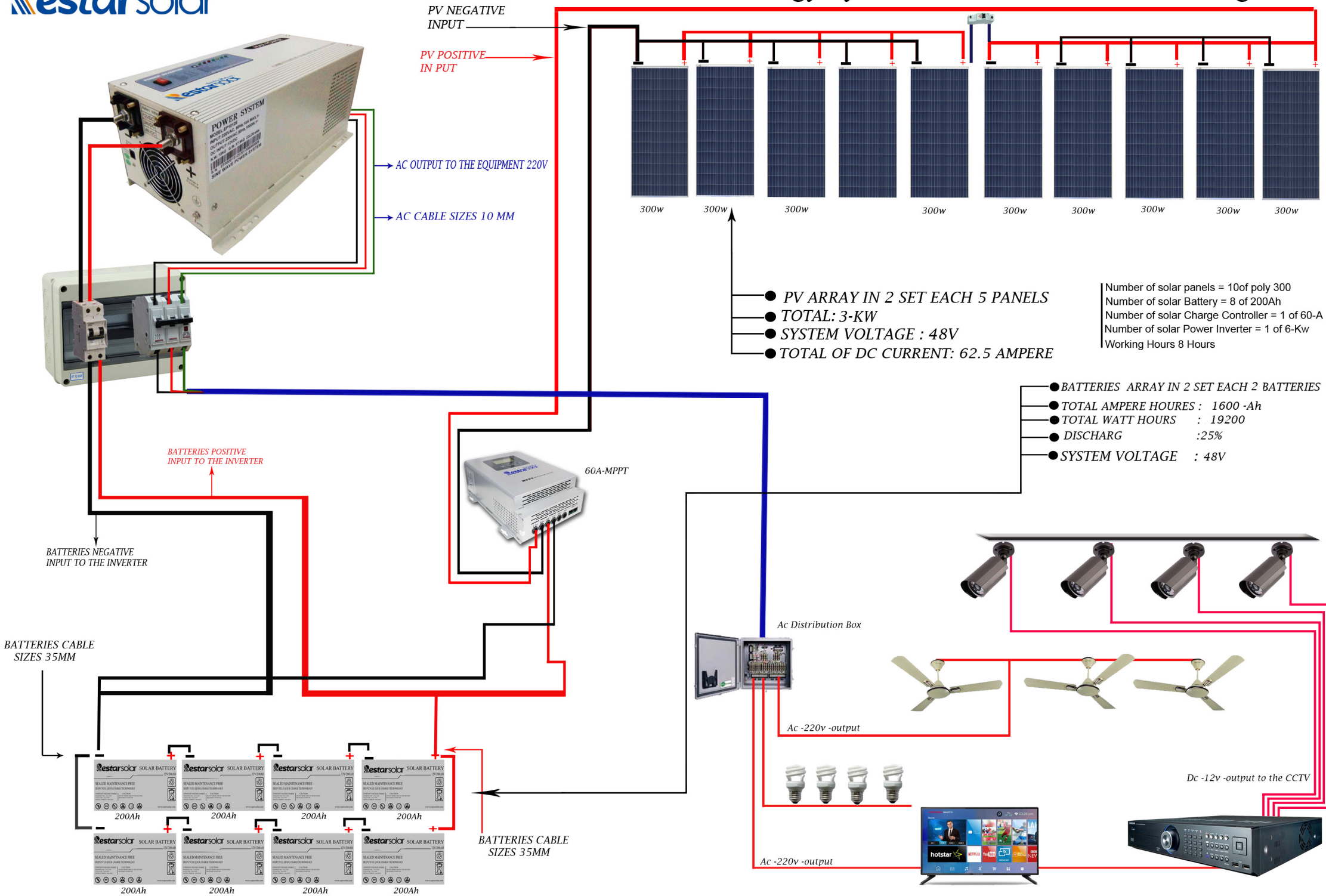


6kw solar off-grid system

Solar Energy System Installation Connection Diagram



PV NEGATIVE INPUT
 PV POSITIVE INPUT

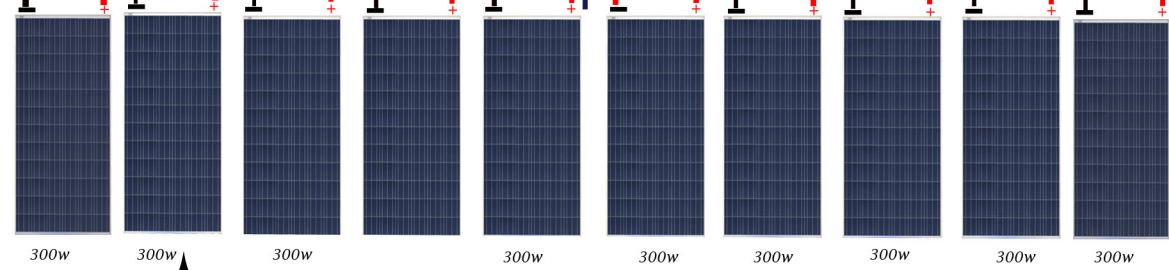
AC OUTPUT TO THE EQUIPMENT 220V
 AC CABLE SIZES 10 MM

BATTERIES POSITIVE INPUT TO THE INVERTER

BATTERIES NEGATIVE INPUT TO THE INVERTER

BATTERIES CABLE SIZES 35MM

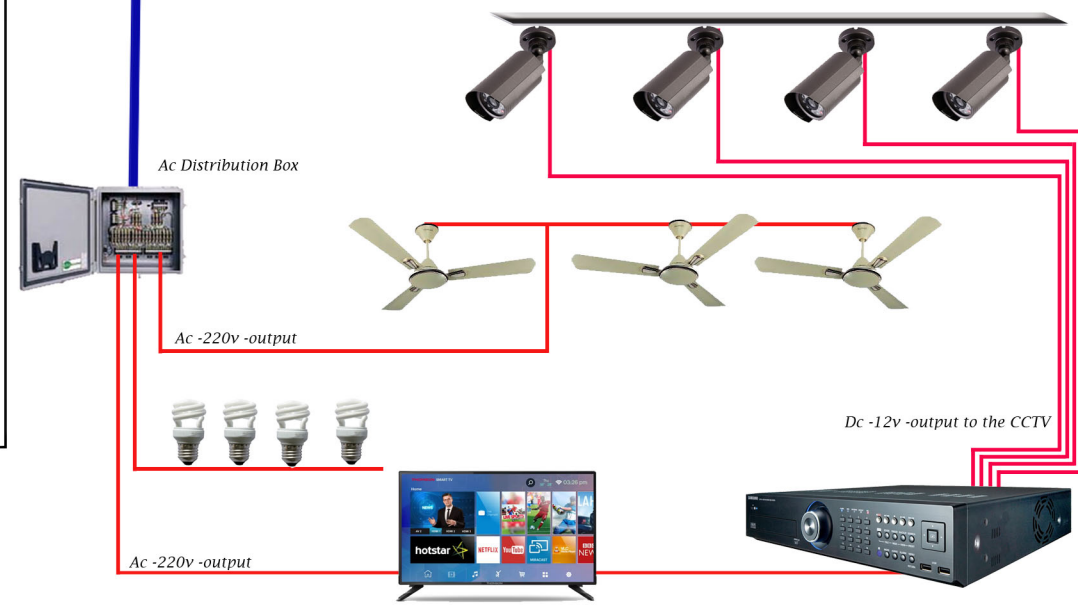
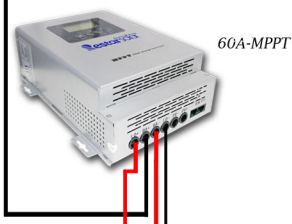
BATTERIES CABLE SIZES 35MM



- PV ARRAY IN 2 SET EACH 5 PANELS
- TOTAL: 3-KW
- SYSTEM VOLTAGE : 48V
- TOTAL OF DC CURRENT: 62.5 AMPERE

Number of solar panels = 10 of poly 300
 Number of solar Battery = 8 of 200Ah
 Number of solar Charge Controller = 1 of 60-A
 Number of solar Power Inverter = 1 of 6-Kw
 Working Hours 8 Hours

- BATTERIES ARRAY IN 2 SET EACH 2 BATTERIES
- TOTAL AMPERE HOURS : 1600 -Ah
- TOTAL WATT HOURS : 19200
- DISCHARG : 25%
- SYSTEM VOLTAGE : 48V



Ac Distribution Box

Ac -220v -output

Ac -220v -output

Dc -12v -output to the CCTV