

SMART MICRO GRID

solar panel (12v 20w) –

1. solar charge controller –

2. wind generator (12v 10w dc) –

3. wind charge controller –

4. lifepo4 battery (12v 15ah) –

5. inverter (200w) –

sensors

1. ACS712 (5A range) – 5 pieces

2. AC Voltage Sensor ZMPT101B – 3 pieces

3. DC voltagr sensor – 2 pieces

4. Bi directional current sensor – 1 piece

5. 5V 1 Channel Relay (5A at 240 AC) – 1 piece

6. ADS1115 16-Bit ADC- 4 Channel with
Programmable Gain Amplifier – 1 piece

7. Esp 32

8. Wires -