

# CP-S22P

## Portable Solar Energy Trainer



### FEATURES

- Selection of control mode: battery charge control or inverter control
- Carrying case type structure designed for convenient storage and mobile measurement
- Can separate the plate of Solar Cell Module and change the plate's position and direction
- Built-in digital meters for AC/DC voltage and AC/DC current

### EXPERIMENTAL CONTENTS

- Principles of solar PV power generation
- Series and parallel connection of Solar PV Cell Module
- Power conversion and photo-electric effects
- Measurement of voltage and current (Solar Cell Module and Inverter)
- Battery charge and discharge practices
- Characteristics of power generation by AC load and DC load
- Commercial use of solar energy system

### SPECIFICATIONS

<b>Solar Cell</b>	20W / 18V
<b>Battery</b>	12V-7Ah
<b>Inverter</b>	250W
<b>Charge Controller</b>	DC 12V
<b>Digital Meter</b>	AC voltmeter: 0 ~ 500V AC ammeter: 0 ~ 5.00A DC voltmeter: 0 ~ 199.9V DC ammeter: 0 ~ 19.99A
<b>DC Load</b>	DC 12V lamp
<b>AC Load</b>	AC 220V lamp (2ea)
<b>Circuit Breaker Unit</b>	15A
<b>Dimension</b>	750(W) × 400(D) × 300(H)mm
<b>Weight</b>	11Kg

### STANDARD ACCESSORIES

- Connection cable : 1set
- User's guide manual : 1ea

### OPTIONS

- 300W halogen lamp : 1ea