4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

SECTION6. SPARE PARTS LIST

Table-2 SPARE PARTS LIST

SECTION7. BLOCK DIAGRAM

OPERATING MANUAL

POWER SUPPLY

MODEL: IEC-91-1

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

SECTION6. SPARE PARTS LIST

Table-2 SPARE PARTS LIST

SECTION7. BLOCK DIAGRAM

Preliminary

ISSUED ON:1999.8.10

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

SECTION6. SPARE PARTS LIST

Table-2 SPARE PARTS LIST

SECTION7. BLOCK DIAGRAM SHINKO ELECTRIC CO.,LTD ENGINEERING DEPARTMENT

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4) Push Start Switch (O).

Again, the output current flows.

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4) Push Start Switch (O).

Again, the output current flows.

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NOTICE

SECTION 1. INTRODUCTION

SHINKO OHT SYSTEM is constructed from Vehicle, Track, Maintenance Lifter, OHVC, Power Supply and etc.

This Power Supply has the following part.

1) Supply of electric power to Vehicle

It generates alternating current of 8.66KHz, 50A.

It supplies electric power to Vehicle.

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

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Table-2 SPARE PARTS LIST

SECTION7. BLOCK DIAGRAM

2) Communication Modem Controller between Vehicle and OHVC

3) Receive and supply of electric power It receives electric power of 208 V of 3 phases.It supplies electric power to devices of the system.

SECTION 2. SPECIFICATIONS and RATINGS

2-1 Basic specifications
Operating Temperature Ranges:1040
Storage Temperature Ranges:050
Humidity3090RH
CoolingAir cooling
Weight400Kg
Dimensions1000W*500D*2150H
Paint colorWhite Mansel N9 Coating with paint

2-2 Electric specifications

The lighting alarm lamp put off.

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

SECTION6. SPARE PARTS LIST

Table-2 SPARE PARTS LIST

SECTION7. BLOCK DIAGRAM

1) Distribution Panel Unit Input Capacity9KVA Phase 3-phase Voltage208V10% Frequency60Hz OutputMaintenance Lifter Capacity600W Phase 3-phase Voltage208V10% Frequency60Hz **OutputOHVC** Capacity600W Phase 1-phase Voltage120V10% Frequency60Hz

The lighting alarm lamp put off.

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

SECTION6. SPARE PARTS LIST

Table-2 SPARE PARTS LIST

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Power Supply Unit Capacity6KW Phase 3-phase Voltage208V10% Frequency60Hz

2) Power Supply Unit

Output

Capacity5KW

Phase1-phase

Voltage360440V

Current50A

Frequency8.66KHz

CMC

Frequency of communicationtransmit 300KHzcentral frequency receive 350KHzcentral frequency

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

SECTION6. SPARE PARTS LIST

Table-2 SPARE PARTS LIST

SECTION7. BLOCK DIAGRAM

CommunicationRS-422

A. Interface

1)Power-input of Distribution Panel

Circuit Breaker MCB11

GND

2) Power-output of Distribution Panelfor Maintenance Lifter

Circuit Breaker MCB13

L12
L22
L32

GND

The lighting alarm lamp put off.

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

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Table-2 SPARE PARTS LIST

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3) Power-output of Distribution Panelfor OHVC

Circuit Breaker MCB14



GND

4) Power-output of Power Supply



GND

5) Connection with OHVC Terminal Block TB22

The lighting alarm lamp put off.

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

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SECTION7. BLOCK DIAGRAM

RTS+ RTS-TXD+ TXD-FG RXD+ RXD-CTS+ CTC-

6)Emergency Stop Terminal Block TB11 EM1 EM2

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

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SECTION7. BLOCK DIAGRAM

SECTION 3. FUNCTION OF CONTROLS

Control PanelInside Panel

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

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Table-2 SPARE PARTS LIST

SECTION7. BLOCK DIAGRAM

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

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SECTION7. BLOCK DIAGRAM

A. Handle Distribution Panel (with Key)

- B. Lamp (white) PL11Input Power
- C. Lamp (green) PL12Power ON
- D. Switch (green) PB11ON
- E. Switch (red) PB12OFF
- F. HandlePower Supply Unit (with Key)

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

SECTION6. SPARE PARTS LIST

Table-2 SPARE PARTS LIST

SECTION7. BLOCK DIAGRAM

G. Lamp (white) PL1Input Power

- H. Lamp (green) PL2Operation
- I. Lamp (yellow) PL3Over Voltage
- J. Lamp (yellow) PL4Over Current
- K. Lamp (yellow) PL5Over Heat
- L. Lamp (yellow) PL6Fan Alarm
- M. Switch (blue) PB3Reset
- N. Switch (red) PB4Emergency Stop
- O. Switch (green) PB1Start
- P. Switch (red) PB2Stop
- Q. Current Meter AOutput current
- R. Circuit Breaker MCB11Input power
- S. Magnetic Contactor MC11Operation
- T. Circuit Breaker MCB12Power supply of Power Supply Unit
- U. Circuit Breaker MCB13Power supply of Maintenance Lifter
- V. Circuit Breaker MCB14Power supply of OHVC

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

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SECTION7. BLOCK DIAGRAM

W. Circuit Breaker MCB1Input power of Power Supply Unit X. Magnetic Contactor MC1Operation

SECTION 4. OPERATION

The lighting alarm lamp put off.

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

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SECTION7. BLOCK DIAGRAM

Before this operation, it supposes that the installation of the equipment, the wiring and the early adjustment have completed.

4-1Switch Panel Unit

1)Open the door of Distribution Panel Unit.

Turn on Circuit Breakers (T)(U)(V).

2)Close the door of Distribution Panel Unit.

Make Handle (A) the position of ON .

Circuit Breaker (R) becomes ON with the handle.

Lamp (B) lights up.

3) Push Power Switch (D).

Magnet Contactor(S) turns on.

Lamp (C) lights up.

4) Push Power Switch (E).

Magnet Contactor(S) turns off.

Lamp (C) put out.

5) In case of work ending, make the Handle(A) OFF position.

All power supplies become OFF.

The lighting alarm lamp put off.

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

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SECTION7. BLOCK DIAGRAM

4-2Power Supply Unit
1) Open the door of Power Supply Unit . Turn on Circuit Breaker (W).
2)Turn on Circuit Breakers(R)(T)(U)(V).

Lamp (G) lights up.

3)Push Start Switch (O).The output current flows and the ammeter indication displays about 50 A.Operation Lamp (H) lights up.

4)Push Stop Switch (P).

The output current stops and the ammeter indication displays 0 A.

Lamp (G) put out.

4-3 CMC Unit

It is no adjustment and no operation.

- 4-4 Emergency Stop
 - 1) Push EMO Switch (N).

All power supplies of each equipment put off.

2) Make return EMO Switch (N).

Magnet Contactor (S) is OFF.

The lighting alarm lamp put off.

4) Push Start Switch (O).

Again, the output current flows.

SECTION5. TROUBLESHOOTING

Table-1 TROUBLESHOOTING

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3) Push Power Switch (D).Again, power is supplied to each equipment.Alarm lamps

A.