

TOBE SPI 37000A/45000A/55000A SOLAR PUMPING INVERTER

TOBE



With AC Bypass Input

Overview

37kw - 55kw solar pumping inverter for commercial&industrial and deep Wells, as long as the water pump is running by AC motor.

Features

IP65

AC/DC switching

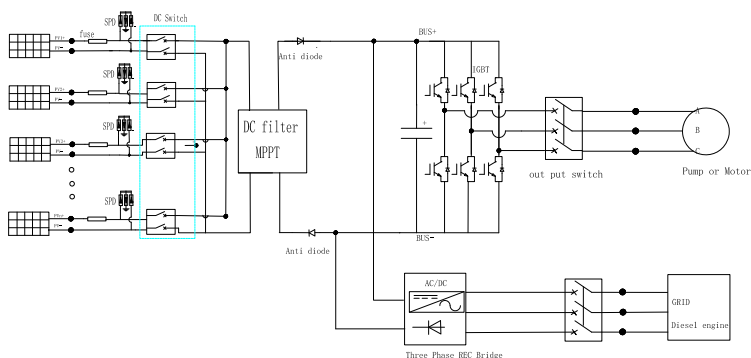
Aluminum alloy shell

Remote monitoring

LCD screen

Compact design

Block Diagram



Datasheet

TOBE SPI37000A

TOBE SPI45000A

TOBE SPI55000A

DC Input

| | | | |
|------------------------|-----------|-----------|-----------|
| MPPT number | 1 | 1 | 1 |
| Max. input strings | 10 | 12 | 16 |
| Start voltage (V) | 250 | 250 | 250 |
| Max. input current (A) | 78 | 108 | 114 |
| Max. input voltage (V) | 900 | 900 | 900 |
| MPPT voltage range (V) | 500 - 680 | 500 - 680 | 500 - 680 |

AC Input

| | | | |
|----------------------------|----------|----------|----------|
| Input voltage range (V) | 380±15% | 380±15% | 380±15% |
| Input frequency range (Hz) | 50/60±5% | 50/60±5% | 50/60±5% |

AC Output

| | | | |
|--------------------------|-----------|-----------|-----------|
| Rated output power (W) | 37000 | 45000 | 55000 |
| Rated voltage (V) | 380 | 380 | 380 |
| Output voltage range (V) | 0 - 440 | 0 - 440 | 0 - 440 |
| Output frequency (Hz) | 0 - 50/60 | 0 - 50/60 | 0 - 50/60 |
| Max. output current (A) | 75 | 91 | 112 |

General Data

| | | | |
|----------------------------------|-----------------------|-------------|-------------|
| Certification | CE (EN 62109-2:2011) | | |
| Display screen | LCD | | |
| Communication port | RS485/CAN/GPRS | | |
| Protection level | IP65 | | |
| Operating altitude (m) | <6000(>3000 derating) | | |
| Cooling concept | Natural cooling | | |
| Operating temperature range (°C) | -25°C~+60°C | | |
| Dimension (D*W*H mm) | 240*697*400 | 240*697*400 | 240*697*400 |
| Net weight (kgs) | 34 | 40 | 44 |

Recommended Water Pump

| | | | |
|------------------------|-----------|-----------|-----------|
| Water pump type | AC pump | AC pump | AC pump |
| Rated voltage (V) | 380 | 380 | 380 |
| Frequency (Hz) | 50 | 50 | 50 |
| Inverter power (W) | 37000 | 45000 | 55000 |
| Max. input current (A) | 75 | 91 | 112 |
| Applicable motor power | 37kW/50HP | 45kW/60HP | 55kW/75HP |