# GROWATT THOR Smart EV Charger

THOR 11AD-SE/PE/SEW/PEW-V1
THOR 22AD-SE/PE/SEW/PEW-V1 (Three Phase)

- Compatible with all branded EV
- Integration in existing & new-installed PV system
- Charge EV with 100% renewable energy by surplus solar power
- APP smart control & smart scheduling
- IP65 design for indoor or outdoor use






GROWATT

POWER-ING TOMORROW

www.ginverter.com

| Datasheet | THOR 11AD-SE/SEW | THOR 11AD-PE/PEW | THOR 22AD-SE/SEW | THOR 22AD-PE/PEW |
|---|---|---|---|---|
| **Input & Output** | | | | |
| Input voltage | 400V AC | | | |
| Input frequency | 50/60Hz | | | |
| Output voltage | 400V AC | | | |
| Max. output power | 11KW | | 22KW | |
| Max. output current | 16A | | 32A | |
| Charging interface type | IEC 62196-2, Type 2 | | | |
| Connection | Dual plugs | Dual sockets | Dual plugs | Dual sockets |
| Cable Length | 5m | / | 5m | / |
| **Protection** | | | | |
| Over voltage protection | Yes | | | |
| Under voltage protection | Yes | | | |
| Over load protection | Yes | | | |
| Short circuit protection | Yes | | | |
| Earth leakage protection | 6mA DC fault current protection | | | |
| Over-temp protection | Yes | | | |
| Lightning protection | Yes | | | |
| **Function and Accessory** | | | | |
| Ethernet/WIFI/4G | Yes/Yes/Opt | | | |
| LCD | Yes | | | |
| RCD | TypeA+6mA DC fault current protection | | | |
| Charge activation | APP/Plug&Charge/RFID | | | |
| LED Indicator light | Yes | | | |
| Emergency stop button | Yes | | | |
| Multiple workmodes | Fast/ PV Linkage/ Off-peak/ Load balancing | | | |
| Communication Protocol | OCPP 1.6 | | | |
| MID meter | Opt | | | |
| Installation | Floor/ Wall mount | | | |
| **General** | | | | |
| Protection degree | IP65 | | | |
| Environment temperature | -25°C ~ +50°C | | | |
| Relative humidity | 5-95% non-condensing | | | |
| Maximum altitude | <2000m | | | |
| Cooling | Natural cooling | | | |
| Standby power consumption | <8W | | | |
| Dimension (W/H/D) | 420/1640/270mm | | | |
| Weight | 17kg | 19.5kg | 17kg | 17kg |
| CE, UKCA | | | | |

**SHENZHEN GROWATT NEW ENERGY CO.,LTD.** A: 4-13/F,Building A,Sino-German(Europe)Industrial Park,Hangcheng Ave,Bao'an District,Shenzhen,China
T: + 86 755 2747 1900 F: + 86 755 2749 1460 E: info@ginverter.com