

# GROWATT THOR Smart EV Charger

THOR 07AS-S/P-V1(Single 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**

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P O W E R  
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R R O W O

| Datasheet                                                                    | THOR 07AS-P-V1                             |  | THOR 07AS-S-V1       |  |
|------------------------------------------------------------------------------|--------------------------------------------|--|----------------------|--|
| Input & output                                                               |                                            |  |                      |  |
| Input voltage                                                                | 230V AC                                    |  |                      |  |
| Input frequency                                                              | 50/60Hz                                    |  |                      |  |
| Output voltage                                                               | 230VAC                                     |  |                      |  |
| Max. output power                                                            | 7KW                                        |  | 7KW                  |  |
| Max. output current                                                          | 32A                                        |  | 32A                  |  |
| Charging interface type                                                      | IEC 62196-2, Type 2                        |  |                      |  |
| Connection                                                                   | Plug                                       |  | Socket               |  |
| Cable length                                                                 | 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                                                                          | No                                         |  |                      |  |
| RCD                                                                          | 6mA DC fault current protection            |  |                      |  |
| Charge activation                                                            | APP/Plug&Charge/RFID                       |  | 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-mounting                        |  |                      |  |
| 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)                                                            | 240/380/164mm                              |  |                      |  |
| Weight                                                                       | 9.5kg                                      |  | 7kg                  |  |
| Wall-mounting bracket/<br>Ground-mounting pole                               | Yes/Opt                                    |  |                      |  |
| CE (LVD&EMC, EN 61851-1, EN 61851-22, EN 61000-6-3, EN 61000-6-1), IEC 62196 |                                            |  |                      |  |