

| MODEL                                 | G-EP5500-48L                                                     |
|---------------------------------------|------------------------------------------------------------------|
| Capacity                              | 5.5KVA/5.5KW                                                     |
| Parallel Capability                   | NO                                                               |
| <b>INPUT</b>                          |                                                                  |
| Nominal Voltage                       | 230VAC                                                           |
| Acceptable Voltage Range              | 170-280VAC(For personal Computer);90-280vac(For Home Appliances) |
| Frequency                             | 50/60 Hz(Auto sensing)                                           |
| <b>OUTPUT</b>                         |                                                                  |
| Nominal Voltage                       | 220/230VAC±5%                                                    |
| Surge Power                           | 11000VA                                                          |
| Frequency                             | 50/60Hz                                                          |
| Waveform                              | Pure Sine wave                                                   |
| Transfer Time                         | 10ms(For personal Computer);20ms(For Home Appliances)            |
| Peak Efficiency(PV to INV)            | 96%                                                              |
| Peak Efficiency(Battery to INV)       | 93%                                                              |
| Overload Protection                   | 5s@>=150% load; 10s@110%~150% load                               |
| Crest Factor                          | 3:01                                                             |
| Admissible Power Factor               | 0.6~1 (inductive or capacitive)                                  |
| <b>BATTERY</b>                        |                                                                  |
| Battery Voltage                       | 48VDC                                                            |
| Floating Charge Voltage               | 54VDC                                                            |
| OverCharge Protection                 | 63VDC                                                            |
| Charging Method                       | CC / CV                                                          |
| Lithium Battery Activation            | YES                                                              |
| Lithium Battery Communication         | YES(RS485)                                                       |
| <b>SOLAR CHARGER &amp; AC CHARGER</b> |                                                                  |
| Solar Charger Type                    | MPPT                                                             |
| Max.PV Array Power                    | 5500W                                                            |
| Max.PV Array Open Circuit Voltage     | 500VDC                                                           |
| PV Array MPPT Voltage Range           | 60VDC~500VDC                                                     |
| Max.Solar Input Current               | 18A                                                              |
| Max.Solar Charge Current              | 100A                                                             |
| Max.AC Charge Current                 | 80A                                                              |
| Max.Charge Current                    | 100A                                                             |

| <b>PHYSICAL</b>                  |                                                |
|----------------------------------|------------------------------------------------|
| Dimensions,D x W x H(mm)         | 433*310*125.5                                  |
| Package Dimensions,D x W x H(mm) | 540*436*230                                    |
| Net Weight(Kg)                   | 7.6                                            |
| Communication Interface          | RS232+RS485                                    |
| <b>ENVIRONMENT</b>               |                                                |
| Operating Temperature Range      | (-10°C ~ 50°C)                                 |
| Storage Temperature              | (-15°C ~ 50°C)                                 |
| Humidity                         | 5% to 95% Relative Humidity ( Non-condensing ) |