



## Stack-E610

- Batteries can be freely stacked in parallel with 1-3 units
- Supports VPP (Virtual Power Plant) technology
- Supports deep customization
- Ingress Protection(IP)Rating:IP66
- Active balancing is included as standard
- Built-in safety protection devices
- High energy density design,more compact for efficient energy storage



## Single-Phase Hybrid Grid Stacked ALL-IN-ONE Machine Technical Parameters For European Grid

|                                      |                                                                 |
|--------------------------------------|-----------------------------------------------------------------|
| Model                                | Stack-E610                                                      |
| Inverter Specifications              |                                                                 |
| PV Input                             |                                                                 |
| Number of MPPT Trackers              | 2/1+1                                                           |
| Max. Input Power (W)                 | 9600                                                            |
| Max. Input Current (A)               | 18+18                                                           |
| Max. Short-circuit Input Current (A) | 27+27                                                           |
| Max. Open-circuit Voltage (V)        | 500                                                             |
| MPPT Rated Voltage (V)               | 370                                                             |
| MPPT Start-up Voltage (V)            | 100                                                             |
| MPPT Operating Voltage Range (V)     | 125 ~ 475                                                       |
| Inverter Output                      |                                                                 |
| Rated Output Power (W)               | 6000                                                            |
| Max. Peak Power (W)                  | 6600                                                            |
| Rated Output Voltage (V)             | 220/230, $0.88U_n < U < 1.1U_n$                                 |
| Rated Frequency (Hz)                 | 50/45~55, 60/55~65                                              |
| Power Factor Adjustment Range        | 0.8 leading ~ 0.8 lagging                                       |
| Transfer Time (ms)                   | 10ms (Typical value); Max 20ms for single unit                  |
| Utility / Generator Input            |                                                                 |
| Input Voltage Range (V)              | 90-280                                                          |
| Input Frequency Range (Hz)           | 50(45~55)/60(55~65)                                             |
| Bypass Overload Current (A)          | 45                                                              |
| Battery Connection                   |                                                                 |
| Battery Voltage Range (V)            | 40-60                                                           |
| Number of Batteries Per Inverter     | 1 ~ 3                                                           |
| Efficiency                           |                                                                 |
| Max. Efficiency                      | 97.6%                                                           |
| Euro Efficiency                      | 96.5%                                                           |
| MPPT Tracking Efficiency             | 99%                                                             |
| Protection                           |                                                                 |
| Grid Monitoring                      | Yes                                                             |
| Surge Protection Level               | DC Type II / AC Type III                                        |
| Certification                        |                                                                 |
| Overview                             | IEC 62109-1, IEC 61000, IEC62040/EN62040, IEC62109, NRS 097-2-1 |
| General                              |                                                                 |
| Dimensions (H×W×D) (mm)              | 472 x 445 x165                                                  |
| Weight (kg)                          | 16                                                              |
| Ingress Protection (IP) Rating       | IP 66                                                           |
| Operating Temperature Range          | -25~55 (>45 Derating)                                           |
| Noise Level @ 1m                     | ≤45 @ 25°C (77°F)                                               |
| Type of Cooling                      | Natural cooling                                                 |
| Display & Communication              | LCD + LED, Wi-Fi /Bluetooth                                     |
| Battery Specifications               |                                                                 |
| Battery Energy (kWh)                 | 5.12                                                            |
| Rated Voltage (V)                    | 51.2                                                            |
| Rated Capacity (Ah)                  | 100                                                             |
| Battery Type                         | LiFePO4                                                         |
| Max. Discharge Current (A)           | 100                                                             |
| Max. Charge Current (A)              | 100                                                             |
| Dimensions (H×W×D) (mm)              | 618 x 445 x 165                                                 |
| Weight (kg)                          | 57                                                              |

Web: [www.ktechsolar.com](http://www.ktechsolar.com)

Email: [info@ktechsolar.com](mailto:info@ktechsolar.com)

