



**Resident**



**Data Center**



**Commerce**



**Industry**



**Modularization &  
Automatic Recognition**



**Remote diagnosis &  
Software upgrades**



**Low voltage monitoring &  
Automatic Restart**



**IP54 dustproof and  
waterproof grade**

| Technical Data                      | EL S10-220 3KW                                   | EL S10-220 3.6KW | EL S10-220 4KW       | EL S10-220 4.6KW | EL S10-220 5KW |
|-------------------------------------|--|------------------|----------------------|------------------|----------------|
| <b>Battery Data</b>                 |  |                  |                      |                  |                |
| Rated Capacity (kWh)                | 10.5   |                  |                      |                  |                |
| Available capacity(kWh)             | 9.2  |                  |                      |                  |                |
| Battery Voltage Range (V)           | 40~58  |                  |                      |                  |                |
| Max. Charge/Discharge Current (A)   | 100/100  |                  |                      |                  |                |
| Battery Type                        | LFP(LiFep04)                                     |                  |                      |                  |                |
| Communication Interface             | CAN/RS485  |                  |                      |                  |                |
| <b>Output (AC)</b>                  |  |                  |                      |                  |                |
| Rated Output Power (VA)             | 3  | 3.68             | 4                    | 4.6              | 5              |
| Max. Output Current (A)             | 15   | 16               | 20                   | 20.9             | 22.7           |
| Rated Voltage (V)                   | 230  |                  |                      |                  |                |
| Rated Frequency (Hz)                | 50/60  |                  |                      |                  |                |
| Power Factor                        | Adjustable range from 0.8 leading to 0.8 lagging |                  |                      |                  |                |
| THDi                                | <3%  |                  |                      |                  |                |
| Type of Grid Connection             | L+N+PE   |                  |                      |                  |                |
| <b>Input (PV)</b>                   |  |                  |                      |                  |                |
| Max. Input Power (kW)               | 4.5  | 5.4              | 6                    | 6.9              | 7.5            |
| Max. DC Voltage (V)                 | 600  |                  |                      |                  |                |
| MPPT Voltage Range (V)              | 100~550  |                  |                      |                  |                |
| MPPT Max. Input Current (A)         | 16   |                  |                      |                  |                |
| MPPT Quantity                       | 2  |                  |                      |                  |                |
| <b>Emergency Power Output (EPS)</b> |  |                  |                      |                  |                |
| Rated Output Power (kVA)            | 3  | 3.68             | 4                    | 4.6              | 5              |
| Rated Output Voltage (V)            | 230  |                  |                      |                  |                |
| Max. Output Current (A)             | 15   | 16               | 20                   | 20.9             | 22.7           |
| Rated Output Frequency (Hz)         | 50   |                  |                      |                  |                |
| Automatic Switching Time (ms)       | <10  |                  |                      |                  |                |
| THDu                                | <3%  |                  |                      |                  |                |
| Peak Output Power,time              | 4.5KW,10s  | 5.5KW,10s        | 6KW,10s              | 6.9KW,10s        | 7.5KW,10s      |
| <b>General Data</b>                 |  |                  |                      |                  |                |
| Charge discharge efficiency         | 95.0%  |                  |                      |                  |                |
| Max. Efficiency                     | 97.5%  |                  |                      |                  |                |
| European Efficiency                 | 97.2%  |                  |                      |                  |                |
| Ingress Protection Rating           | IP54   |                  |                      |                  |                |
| Operating Temperature Range         | Charge:0°C~50°C                                  |                  | Discharge:-10°C~50°C |                  |                |
| Cooling Method                      | Natural Convection                               |                  |                      |                  |                |
| Relative Humidity                   | 0~90%  |                  |                      |                  |                |
| Operating Altitude                  | ≤2000m   |                  |                      |                  |                |
| Dimension W*D*H(mm)                 | 554*264*1216                                     |                  |                      |                  |                |
| Weight (kg)                         | 135  |                  |                      |                  |                |
| Cycles                              | ≥6000  |                  |                      |                  |                |
| Standby consumption(W)              | <10  |                  |                      |                  |                |
| Installation Mode                   | Cabinet type                                     |                  |                      |                  |                |
| <b>Display and Communication</b>    |  |                  |                      |                  |                |
| Display                             | LCD  |                  |                      |                  |                |
| Communication mode                  | RS485/CAN/WIFI/Lan/Blue tooth                    |                  |                      |                  |                |
| Compliance                          | IEC 62619,IEC 61000, UN38.3                      |                  |                      |                  |                |

