



6kWh Supercapacitor Home battery

Powered by FoR-Energy

supports the entire power system from power generation to transmission, transformation, distribution as well as customers



Residential Grid Services including demand response, peak shaving, load leveling,



Hybrid solar energy storage

BEBAT test lab results: "This is not a battery, it's an Energy storage"

NON Bebat tax applied!

Charge and discharge stage:

- Fast charging and discharging from 0.3 to 10C, lithium batteries up to 0.5C and up to 2C for more expensive versions.
- DOC 100%, DOD 100% (95%, BMS related) without reducing life expectancy <> Lithium batteries up to 80%.

Life expectancy:

- Over 32,000 cycles (50,000 and more possible) <> For lithium batteries 6,000 cycles (up to 10,000 possible in more expensive versions).

Fire protection:

- No fire risk. The graphene in the supercapacitor battery removes the oxygen in the event of a fire and thus prevents the lithium from burning.

| PERFORMANCE SPECIFICATIONS | |
|-----------------------------|--|
| Part Number | SEM51,2V6K-W |
| Energy Storage | 6.1Kwh |
| Dimensions (WxDxH) | 550x730x118(mm) |
| Weight | 64Kg |
| Nominal Voltage | 51.2V |
| Full Charging Time | 1h (customized to 2C) |
| Nominal Capacity Ah | 120 |
| Operating Temp(charging) | 0 ~ 55°C |
| Operating Temp(discharging) | -20 ~ 65°C |
| Storage Temperature | -20 ~ 40°C |
| Storage Humidity | 25%~95%RH |
| Cycle Life | >32000 Cycle in 1CC/1CD@100%DOD,80%EOL |
| Ingress Protection | IP54 |
| Charge continue/A 1C | 120A |
| Dicharge continue/A 1C | 120A |
| Upper Protect Temp | 65°C |
| Parallel Numbers | 14 |
| LCD/Dashboard | Yes |

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Arm yourself against skyrocketing energy bills & unpredictable power fluctuations with our own energy Management Software. (EMS)

Reduce your Bills by up to 50% with built in AI for Energy Trading.

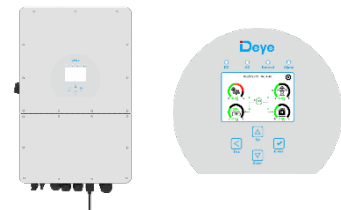
Made in **Belgium**, your data is secure!



Enjoy always using energy at the lowest cost possible, independently and with consistent power supply.



Our system works with Deye inverters (wide variety of network connections possible) Our Hybrid Supercaps are included in the Deye Approved list



FoR-E has a network of professional installers with the right technical knowledge and training where you can buy our innovative products and services.