

NB+1KV Energy Unit

More Safe • More Professional • More Flexible



Certification Standard: IEC60730-1、IEC62619、UN38.3



Single cell voltage and temperature collection
1:1 configuration



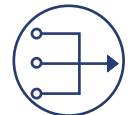
Dual hardware protection (high voltage interlock)



All-round environmental detection including detections of temperature and humidity, smoke, TVOC, CO, water immersion



Real-time insulation monitoring



Multiple power supply including AC power supply, battery cluster power supply, external DC power supply



Support STS, MPPT, DC charging pile



Integrated cladding water way & air path, aluminum box



Shared fire extinguishing tube to fundamentally prevent thermal runaway & fire hazard



Integrated active & passive cell balancing



NPS Smart Nebula platform

| Model | NB+1KV-100K Energy Unit |
|-------------------------|---|
| Voltage Platform | 1000V |
| Grouping Method | 240S1P |
| Operating Voltage Range | 600-876V |
| Cell Capacity | 280AH |
| Charge/Discharge Power | 0.5P |
| System Energy | 215KWH |
| Dimensions | 1250(L)*980(D)*2150(H) |
| Cooling | Cladding Liquid-cool Pack Box, Ethylene Glycol Solution(1:1) |
| Ingress Rating | IP55 |
| Round Trip Efficiency | 94% |
| Fire Fighting | Shared Gas Releasing Vent + Heat Conducting & Fire Extinguishing Cylinder |
| Altitude | <4000M |
| Parallel | AC Side Parallel |
| Communication | Close Range:CAN, ETH, RS485 Long Range: 4G, Wi-Fi.Bluetooth |
| LCD Display | NB+ 6.8" Capacitive Touch LCD |
| APP Connection | Yes |
| Remote Cloud Platform | NPS Smart Nebula |

| PCS | |
|-----------------------------------|--|
| Max. Voltage[V] | 1000 |
| Voltage Range[V] | 670~1000 |
| Max. Charge/Discharge Current[A] | 165 |
| Nominal Power[kw] | 100 |
| Max. Input Active Power[kw] | 110 |
| Max. Input Apparent power[kVA] | 110 |
| Nominal Voltage[V] | 230/400 |
| Nominal Power[Hz] | 50/60 |
| Power Factor | 0.8cap~0.8ind |
| Nominal Power[kw] | 100 |
| Nominal Output Voltage[V] | 230/400 |
| Nominal Output Frequency[Hz] | 50/60 |
| Max. Continuous Output Current[A] | 158 |
| Max. Output Active Power[kw] | 110 |
| Max. Output Apparent Power[kVA] | 110 |
| Unbalanced Load Capacity | 100% |
| Overload Capacity | 1.1 times bigger for 10min, 1.2 times for 1min |
| Operating Temperature Range[°C] | -30~+60(>Power declined at 45°C) |
| AC Cable Connection | 3P+N+PE |
| Isolation | Non-isolated |
| Cooling | Forced Air-cooling |
| Insulation Resistance[MΩ] | >1 |
| Overvoltage Category | II (DC) /III (AC) |
| Ingress Rating | IP20 |
| Noise[dB] | 65 |
| Altitude[m] | 3000 |
| Max. Efficiency | 98.5% |
| AC/DC Start-up | Yes |