



## CN20 SU (Solar Unit)

The CN20 SU model is developed with the aim to provide vital support during the first phase of deployments when reliable, independent energy resources are critical to the success of any mission.

### Optional systems:

| Normal battery pack 48V 300AHA | Quantity | Unit |
|--------------------------------|----------|------|
| 14400Wh (880x363x305,7) 160 Kg |          |      |
| Battery cell 300AHA            | 16       | pcs  |
| Battery management             | 1        | pcs  |
| Terminal and Cover             | 16       | pcs  |

| Long life battery pack 48V 400AHA |    |     |
|-----------------------------------|----|-----|
| 19200Wh (1040x461x285) 216 Kg     |    |     |
| Battery cell 400AHA               | 16 | pcs |
| Battery management                | 1  | pcs |
| Cables                            | 16 | pcs |

### Battery capacity:

Industrial lithium cell with high energy density, made on the safe LiFePO<sub>4</sub> technology. Can be recharged at any state of discharge – no memory effect. LiFePO<sub>4</sub> is a very safe technology, no spontaneous combustion, does not react with moisture or with oxygen.

### Logistical advantages:

- ▶ eliminates the need of power generators
- ▶ eliminates the need of fuel storage and supply

### Operational advantages:

- ▶ "stealth mode" due to zero noise emission during operation
- ▶ hybrid system with built in intelligent command unit for grid or off grid mode
- ▶ the solar panel and inverter system can be optimized for specific climate areas
- ▶ additional power banks can be provided next to the built-in battery capacity to ensure higher and/or longer energy output
- ▶ ultra-rugged glass-glass walkable solar panel which resist physical impact
- ▶ remote monitoring and control of the solar and battery system either via Bluetooth (20 m range accessibility) or web (global accessibility)

### R&D:

- ▶ Developing vertical solar surfaces on the side panels and solar sun-blinds for higher power generation capacity
- ▶ Increasing the energy storage capacity by installing a battery"
- ▶ Developing AC system compatible with the solar energy resources





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- ▶ Solar panel power: 2260W or 2486W
- ▶ Battery voltage: 48 V
- ▶ Battery Type: LiFePo4 (Safe, Non Fire & Explosive Like Lilon)
- ▶ Battery life: 1200VA
- ▶ Battery capacity: 14.4kWh
- ▶ Weight: 1600 kg
- ▶ Full load time: 11 hours
- ▶ Normal use 2 office workstations (300W) 48 hours = 6 shifts



NCAGE code: 2054V

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