

GPPC15KT

Mobile Energy Storage System

Ideal for microgrids, load shifting, renewable energy consumption, energy buffers, off-grid power supply, backup power applications, etc.



All-in-one

Mobile battery system, hybrid inverter, solar MPPT, 4G modem, fire extinguishing system, distribution system, LCD screen, and smart EMS.



Flexible Configuration

Adjustable configurations to achieve optimal cost-effectiveness. Up to 6 batteries in parallel for capacity expansion. Up to 6 cabinets for parallel use.



High Safety Standard

Using high-safety performance lithium iron phosphate batteries. Meets standards such as NFPA855, EN50549, and UL.



Generator Connection

Can be connected to diesel/gasoline generators. Support automatic control, starting charging when low and shutting off once fully charged.



Intelligent Management

Integrated EMS & 4G LTE modem, supporting remote monitoring of devices through web and app.



Plug and Play

The system is pre-installed. Just make simple settings to use.



Enhanced Reliability

The battery offers excellent vibration resistance, and the inverter has been reinforced for added durability.



Three-phase Power Output

Supports three-phase and single-phase power charging and three-phase and single-phase power output.



Pre-heating Function

Ensure optimal battery performance and extend battery lifespan in low-temperature environments.

Green Power
GENERATOR www.greenpower.se

Specifications

Model

GPPC15KT

AC Output (Discharging)

| | |
|---------------------------|--|
| Rated Power (kW) | 15 (90 / 6 in Parallel) |
| Rated Voltage / Frequency | 380 V / 400 V 50 / 60 Hz |
| Rated Current (A) | 21.8 |
| Single-Phase | 220V / 230V AC, Rate power 5KW; Max 7.5KW @ 1 hour |
| Rated Bypass Power (kVA) | 22.5 |
| AC Connection | 3W+N+PE |
| Overload Capacity | 120% @10min / 150% @10S |

AC Input (Charging)

| | |
|----------------------------------|--|
| Rated Power (kW) | 15 |
| Rated Voltage / Current | 380 V / 400 V 22.5 A |
| Rated Input Apparent Power (KVA) | 22.5 |
| Single Phase / Current | 220 V / 230 V 22 A (Optional), Single phase to three phases converter (optional accessory) |
| THDI | ≤3% |
| AC Connection | 3W+ N+PE |

Battery

| | |
|----------------------|-------------------------------|
| Battery Chemistry | LiFePO ₄ |
| DoD | 90% |
| Rated Capacity (kWh) | 33 (Max. 198 / 6 in Parallel) |
| Voltage (VDC) | 550 ~ 950 |

DC Input (PV)

| | |
|---------------------------|-------------|
| Max. Power (kW) | 30 |
| MPPT Voltage Range | 160 ~ 950 V |
| Max. Input Current (A) | 30 / 30 |
| Number of MPPT | 2 |
| Number of String per MPPT | 1 |
| Start-up Voltage (V) | 180 |

Physical

| | |
|--------------------------------|--|
| Ingress Rating | IP54 |
| Scalability | Max. 6 in Parallel |
| Relative Humidity | 0 ~ 100% Non-condensing |
| Fire Suppression System | Hot Aerosol (Cell & Cabinet) |
| Max. Efficiency | 98% (PV to AC); 94.5% (BAT to AC) |
| Topology Operating Ambient | Transformerless |
| Temperature (C/°F) | -20 ~ 50 (-4 ~ 122) |
| Noise Emission (dB) | ≤ 45 |
| Cooling | Natural Cooling |
| Altitude (m) | 4000 (>2000 Derating) |
| Weight (kg / lbs) | 670 / 1477 |
| Dimensions (LxWxH) (mm / inch) | 1040 x 1092 x 1157 / 40.94 x 42.99 x 45.55 |
| AC Connection | CEE Standard Industrial Sockets |
| Standard Compliance | EN IEC 61000-6-2/4, EN IEC62109-1/2 |



From 15 kW / 33 kWh to 90 kW / 198 kWh

