NEUROPOWER

Powering Possibilities.
Connecting Futures.

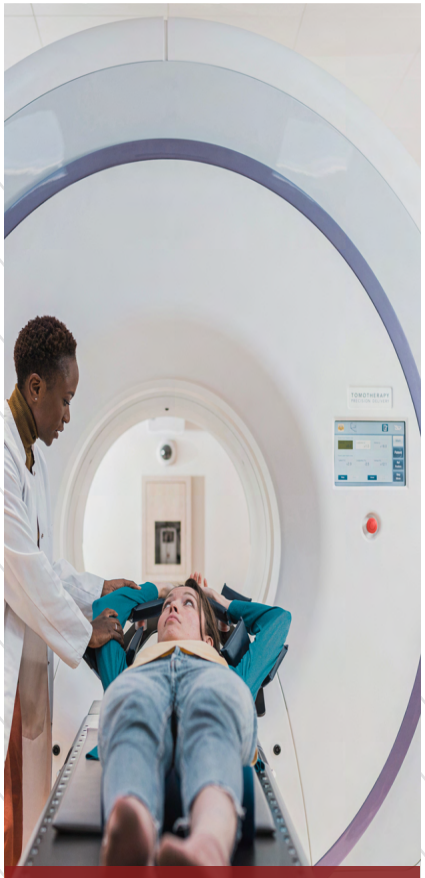
## Online UPS

# Galleon Pro III Tower *Series*

# Galleon Pro III Series
## (Tower)

The Galleon Pro III series' unique new technology allows users to choose one out of the three input/output configurations as desired for UPS capacity ranging from 10kVA to 20kVA. For UPS capacity above 60kVA (3 phase), its unique modular design supports critical applications in the IT, commercial and medical industries using three separate modules in one UPS system with a power factor of 1.0 for maximum efficiency and redundancy.

For minimum downtime, the unique system's power modules, communicator modules and even terminals are swappable for trained personnel via front door access making maintenance so much easier and less time consuming. The Galleon Pro III's unparalleled leading edge unique technology, allows users to enjoy the benefits of modular UPS systems at a feasible tower UPS cost, making the Galleon Pro III very much desirable when replacing old UPS systems regardless of industry and applications.



**MEDICAL IMAGING SUPPORT**

**DATA CENTER**

**CRITICAL APPLICATION**

# Galleon Pro III Tower Series 10kVA-300kVA features

True online double conversion technology for pure sine wave output at 98.5% efficiency on ECO mode with energy saving operations.

## 1. DSP technology with active power factor correction in all phases

Perfect for critical applications, this feature ensures users with a high output performance from the UPS at a high power efficiency (96% with output power factor 1.0).

## 2. Front access pluggable power modules

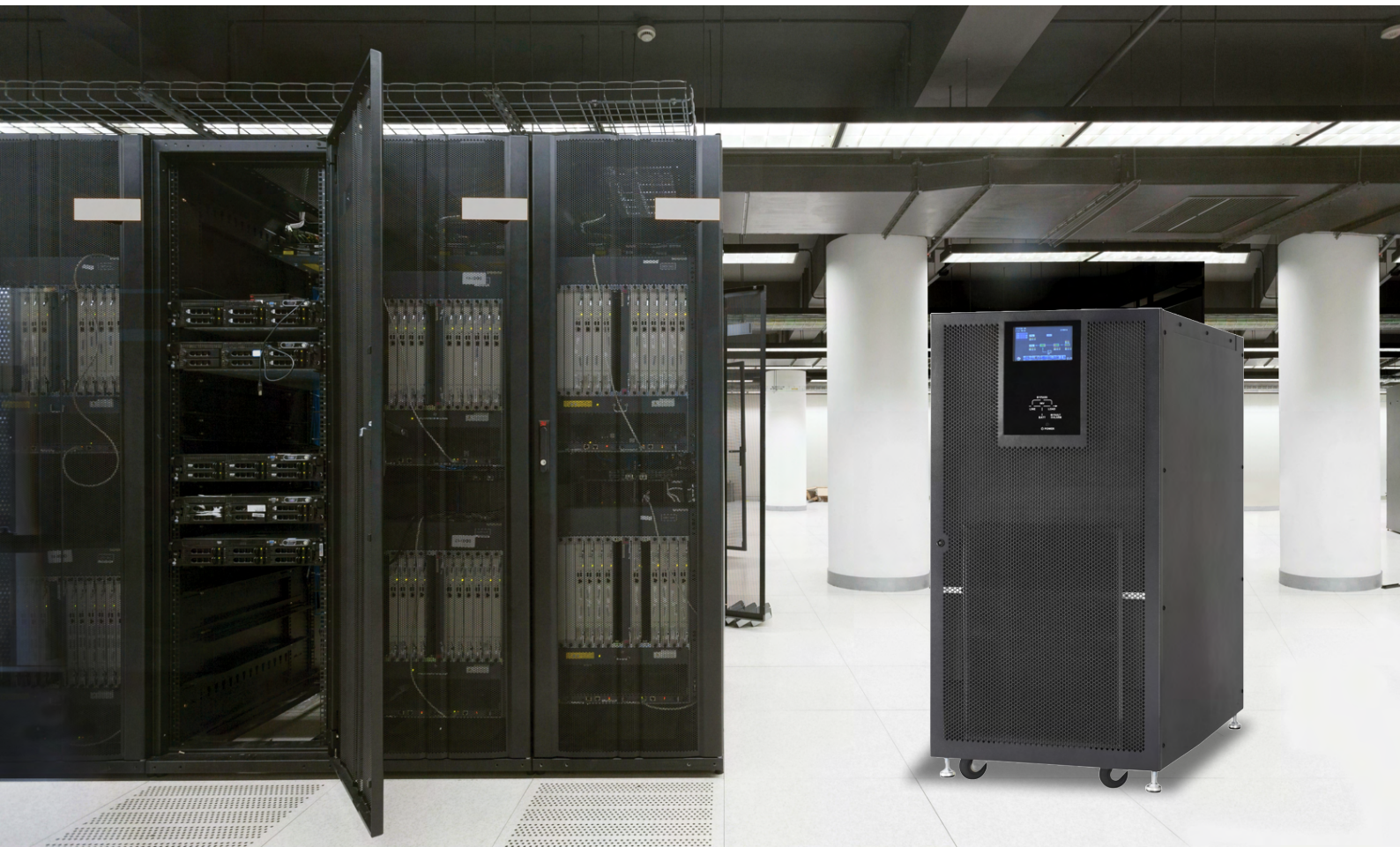
Benefitting users with modular design through its swappable modules from the front. It minimizes UPS's downtime with an easier and less time consuming maintenance process (MTTR reduction).

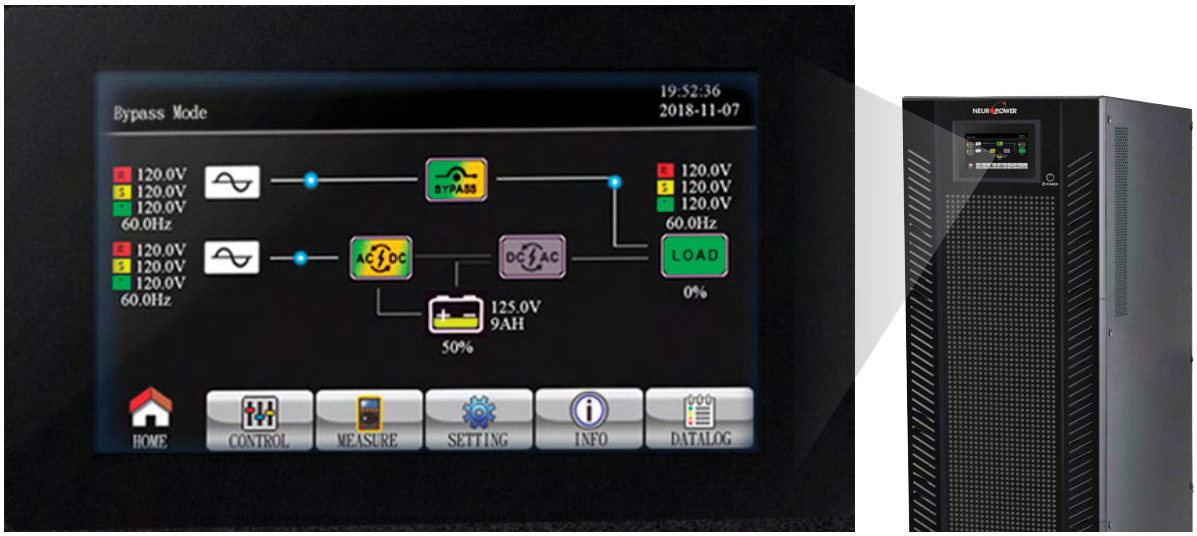
## 3. N+X parallel redundancy up to 4 units

Suitable for critical applications with high power consumption. Ensuring the total load demand is met by all the UPS sharing the load between themselves equally. If one of the UPS fails and needs maintenance, the remaining UPS can continue supporting the load.

## 4. Power walk-in function with dual mains input design

UPS gently starts up by gradually increasing the power supplied from the utility source to the load while ensuring the output voltage and current reaches the required level. This does not stress the components thus extending the UPS lifespan and enhancing safety during high power start up. The dual mains input design allows the UPS to accept power from two sources for greater flexibility and reilience.






*Control panels for Galleon Pro III 60K and other Galleon Pro III series*

## 5. Comprehensive coloured touch screen LCD display with voice notification (5 - 7 inches)

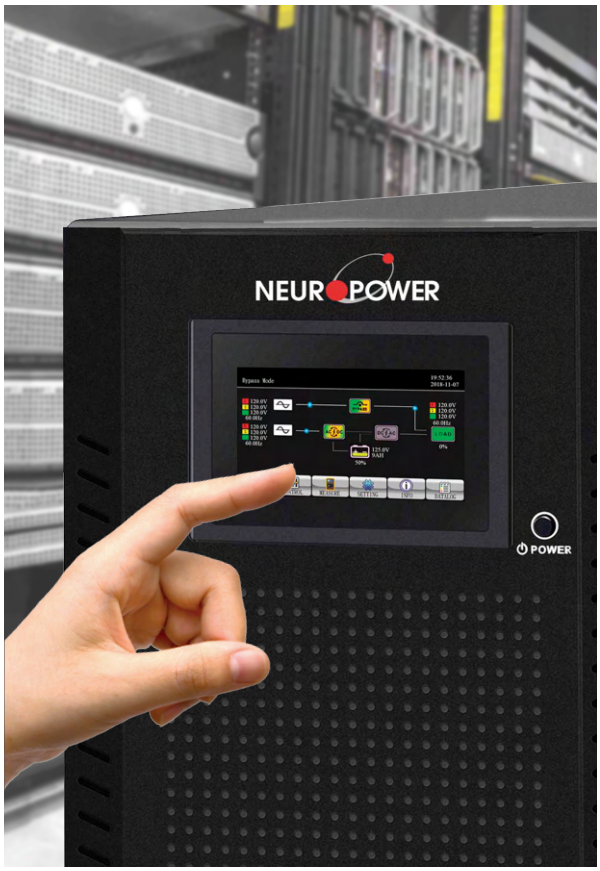
Allows easy monitoring and control experience of the UPS parameters. This includes load level, battery level, input or output voltage, discharge time and fault conditions.

## 6. Configurable phases for models 10kVA - 20kVA models

A unique technology that allows users to choose one out of the three input or output configurations available to suit their power protection needs to perform efficiently. Input & output configurations for 10kVA - 20kVA includes [1Ph to 1 Ph] / [3Ph to 1Ph] / [3Ph to 3Ph].

## 7. Built in with a supercharger and multistage charging

Allows greater battery rating connections while optimizing battery performance through 3 stage charger design. This is essential for its critical applications where long backup time is needed on top of basic power protection which includes clean, consistent and reliable power connectivity.




## 8. Built in 4 essential switches

UPS comes with main input switch, bypass input switch, output switch and maintenance bypass switch reducing time, cost and labour to install an additional accessory to perform similar functions.

## 9. Dynamic password setting available

Set a dynamic password for additional security purposes and to avoid jeopardy to UPS performance by unauthorized personnel.

## 10. Compatible with lithium ion batteries ($LiFePO_4$) and generators

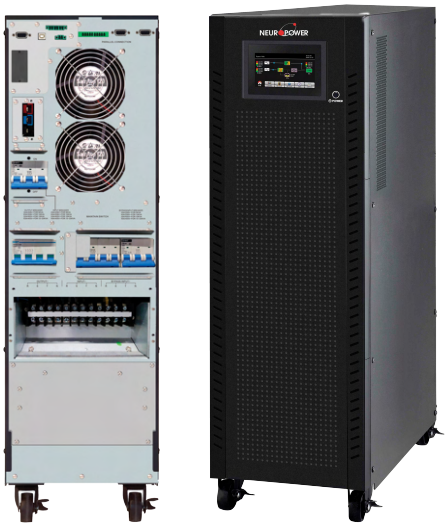
60kVA - 300kVA Galleon Pro III UPS can be installed with lithium ion batteries for longer backup power at lower carbon footprint. All UPS can be installed at residential or commercial properties with generators on standby. In the event of an extended power outage, the UPS ensures a stable and clean uninterrupted power supply to the essential equipment for its maximum protection and efficiency.

## 11. Optional isolation transformer for output as additional safety measure

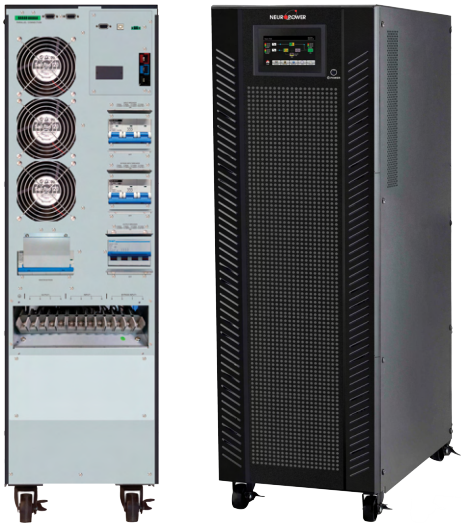
In certain circumstances, the output of the UPS may be at a different voltage than the load requirement. As an additional safety feature, an isolation transformer helps ensure a clean power supply while putting user and device safety as a priority through its galvanic isolation.

# Galleon Pro III Models

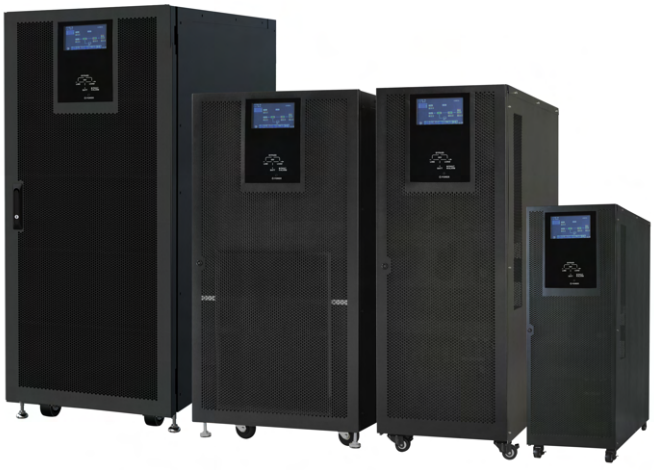
Comes in a variety of sizes, user friendly components and power rates to provide a versatile power protection solution.



Galleon Pro III 10K - 20K



Galleon Pro III 30K - 40K



Galleon Pro III 60KS - 300KS (right to left)

# Technical Specification

| Specification | Model | | GP III 10K (KS) | GP III 15K (KS) | GP III 20K (KS) | GP III 30K (KS) | GP III 40K (KS) |
|---|---|---|---|---|---|---|---|
| | Phase | | Single Phase / Three Phase with Ground | | | Three Phase with Ground | |
| | Capacity | KVA | 10 | 15 | 20 | 30 | 40 |
| | | KW | 10 | 15 | 20 | 30 | 40 |
| Input | Nominal Voltage (VAC) | | Single Phase 220/230/240 (2 Wires, 1 Phase + N + E)<br>Three phase 3 x 380/400/415 (4 Wires, 3 Phases + N + E) | | | Three phase 3 x 380/400/415<br>(4 Wires, 3 Phases + N + E) | |
| | Input Voltage Range (VAC) | | 190 - 520 (3Ph) @ 50% Load<br>305 - 478 (3Ph) @ 100% Load | | | | |
| | Frequency Range (Hz) | | 46 - 54 or 56 - 64 | | | | |
| | Power Factor | | ≥ 0.99 @ 100% Load | | | | |
| | Total Harmonic Distortion (THDi) | | < 4% @ Full Load | | | | |
| Output | Nominal Voltage (VAC) | | Single Phase 220/230/240 (2 Wires, 1 Phase + N + E)<br>Three phase 3 x 380/400/415 (4 Wires, 3 Phases + N + E) | | | Three Phase 3 x 360*/380/400/415<br>(4 Wires, 3 Phases + N + E) | |
| | Regulation | | ± 1% | | | | |
| | Frequency Range (Hz) | | 46 - 54 or 56 - 64 | | | | |
| | Battery Mode Frequency Range (Hz) | | ± 1% | | | | |
| | Waveform | | Pure Sine Wave | | | | |
| | Voltage total harmonic distortion (THDv) | | Linear Load: < 2% I Non-Linear Load: < 5% | | | | |
| | Overload Capability | | 100 - 110%: 60 mins I 111 - 125%: 10 mins I 126-150%: 1 min I >150%: 400ms | | | | |
| | Crest factor | | 3 : 1 | | | | |
| | Outlet | | Terminal Block | | | | |
| Bypass | Nominal Voltage (VAC) | | Single Phase 220/230/240 (2 Wires, 1 Phase + N + E)<br>Three phase 3 x 380/400/415 (4 Wires, 3 Phases + N + E) | | | Three phase 3 x 380/400/415<br>(4 Wires, 3 Phases + N + E) | |
| | Input Voltage Range (VAC) | | - 30% to + 20% (Adjustable) | | | | |
| | Synchronized Frequency Range (Hz) | | 46 - 54 or 56 - 64 | | | | |
| | Overload Capability | | >150%: 1 min (default), continuously working until breaker protection kicks in (optional) | | | | |
| Efficiency | AC Mode | | 95.50% | | | | |
| | ECO Mode | | 98.50% | | | | |
| | Battery Mode | | 94.50% | | | | |
| Battery | Standard Model | Capacity | 12V9AH | 12V7AH | 12V9AH | 12V 7AH | 12V 9AH |
| | | Quantity (pcs) | (10+10 pcs) | (16+16 pcs) | | (16+16) pcs x 2 strings | |
| | | Recharge Time | 9 hours recover to 90% capacity (default) | | | | |
| | | Charging Ampere (A) | 1 -12 (Adjustable) | | | | |
| | | Charging Voltage (VDC) | 136 ± 10% | 218 ± 10% | | | |
| | KS Model | Quantity (pcs) | (10+10 pcs) | 32-40 user adjustable, 3 poles positive, mid point, negative | | | |
| | | Battery Type | 12V Sealed Lead Acid | | | | |
| | | Charging Ampere (A) | 1-12 (Adjustable) | | | | |
| | | Charging Voltage (VDC) | 136 ± 10% | ± 13.65 x N (N =16-20) | | | |
| Display | LCD Display | | Colour LCD with Touch Screen and Mimic Flow<br>For UPS Status, Load Level, Battery Level, Input/Output Voltage,<br>Discharge Timer and Fault Conditions | | | | |
| Operating Environment | Temperature and Humidity | | 0 - 40°C and 0 - 95% Without Condensation | | | | |
| | Noise Level @ 1 Meter (dB) | | < 55 | < 58 | | < 60 | < 70 |
| Physical | Dimension, W x D x H (mm) | | 250 x 626 x 750 | | | 300 x 815 x 1000 | |
| | Weight (kg) | With Battery | 125 | 139 | | 225 | 250 |
| | | Without Battery | 28 | 43 | | 60 | 61 |
| | Enclosure Protection | | IP 20 | | | | |
| Power Management | Smart RS 232/ USB | | Supports Windows 2000/2003/XP/ Vista/2008, Windows 7/8/10, Linux and Mac operating systems | | | | |
| | Optional | | SNMP card for remote monitoring via network, modbus card for BMS system | | | | |
| Design Standards | Safety | | EN 62040-1-2, EN 60950-1 | | | | |
| | Electromagenetic Compatibility (EMC) | | EN 61000-2, EN 61000-4 | | | | |
| | Operating | | VFI-SS-111 in accordance with EN 62040-3 | | | | |
| | Design | | CE | | | | |

# Technical Specification

| Specification | Model | | GP III 60 KS | GP III 80 KS | GP III 100KS | GP III 120KS | GP III 180KS | GP III 200KS | GP III 240KS | GP III 300KS |
|---|---|---|---|---|---|---|---|---|---|---|
| | Parallel Capability | | Up to 4 | | | | | | Up to 2 | |
| | Single Unit Capacity | KVA | 60 | 80 | 100 | 120 | 180 | 200 | 240 | 300 |
| | | KW | 60 | 80 | 100 | 120 | 180 | 200 | 240 | 300 |
| Input | Nominal Voltage (VAC) | | Three phase 3 x 380/400/415 (4 Wires, 3 Phases + N + E) | | | | | | | |
| | Input Voltage Range (VAC) | | 110 - 300 @ 50% Load I 184 - 276 @100% Load<br>110 - 300 @ 50% Load I 190 - 276 @100% Load (For 80KVA only) | | | | | | | |
| | Frequency Range (Hz) | | 40 - 70 | | | | | | | |
| | Power Factor | | ≥ 0.99 @ 100% Load | | | | | | | |
| | Total Harmonic Distortion (THDi) | | < 5% @ Full Load | < 4% @ Full Load | | | | | | |
| Output | Nominal Voltage (VAC) | | Three Phase 3 x 380/400/415 (4 Wires, 3 Phases + N + E) | | | | | | | |
| | Regulation | | ± 1% (Balanced load) I ± 2% (Unbalanced load) | | | | | | | |
| | Frequency Range (Hz) | | 46 - 54 or 56 - 64 | | | | | | | |
| | Nominal Frequency (Hz) | | 50 or 60 | | | | | | | |
| | Waveform | | Pure Sine Wave | | | | | | | |
| | Voltage total harmonic distortion (THDv) | | Linear Load: < 2% I Non-Linear Load: < 4% | | | | | | | |
| | Overload Capability | | 100 - 110%: 60 mins I 111 - 125%: 10 mins I 126-150%: 1 min I >150%: 200ms | | | | | | | |
| | Crest factor | | 3 : 1 | | | | | | | |
| | Outlet | | Terminal Block | | | | | | | |
| Bypass | Nominal Voltage (VAC) | | Three Phase 3 x 380/400/415 (4 Wires, 3 Phase + N + E) | | | | | | | |
| | Input Voltage Range (VAC) | | - 30% to + 20% (Adjustable) | | | | | | | |
| | Synchronized Frequency Range (Hz) | | 46 - 54 or 56 - 64 | | | | | | | |
| | Overload Capability | | 100 - 110%: 60 mins I 111 - 125%: 10 mins I 126 - 150%: 1 min I >150%: 200ms | | | | | | | |
| Efficiency | AC Mode | | 95% | 95.50% | | | | | | |
| | ECO Mode | | 98% | 98.50% | | | | | | |
| | Battery Mode | | 94% | 94.50% | | | | | | |
| Battery | Nominal Voltage (V) | | +/- 192 - 240 | +/- 240 | +/- 192 - 240 | | | | | |
| | Maximum Voltage (V) | | +/- 240V (12V x 40pcs) | | | | | | | |
| | Minimum Voltage (V) | | +/- 192 | +/- 240 | +/- 192 | | | | | |
| | Floating Charge Voltage (V) | | 2.28 / Cell (2.25 - 2.33 Selectable) | | | | | | | |
| | Boost Charging Voltage (VDC) | | 2.35 / Cell | | | | | | | |
| | Temperature Compensation | | Yes | | | | | | | |
| | Maximum Charging Current (A) | | 18 | | 24 | 36 | 54 | | 72 | 90 |
| Operating Environment | Temperature and Humidity | | 0 - 40°C and 0 - 95% Without Condensation | | | | | | | |
| | Altitude* | | < 1000m for nominal power | | | | | | | |
| Physical | Dimension, W x D x H (mm) | | 320 x 1000 x 800 | 430 x 1000 x 1200 | | | 600 x 1000 x 1200 | | 600 x 1100 x 1475 | |
| | Net weight (kg) | | 94 | 125 | 169 | 169 | 249 | 249 | 360 | 396 |
| | Enclosure Protection | | IP 20 | | | | | | | |
| Power Management | Smart RS 232/ USB | | Supports Windows, Linux and Mac operating systems | | | | | | | |
| | Optional | | SNMP card for remote monitoring via network, modbus card for BMS system | | | | | | | |
| Design Standards | Safety | | IEC/EN 62040-1 | | | | | | | |
| | Electromagenetic Compatibility (EMC) | | IEC/EN 62040-2, Category 3 | | | | | | | |
| | Design | | CE | | | | | | | |

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