

# 3P Power

Passion **P**rofession **P**erfection



## PRODUCT CATALOGUE

Brilliant Series Modular DC UPS

# Brilliant Series Modular DC UPS



## Brilliant Series Modular DC UPS are suitable for both Industrial and Commercial Environment



\* Industrial application such as Process and Control System, Instrument and Measurement, Monitoring and Security



\* Infrastructures application such as Hospital, Airport, Semiconductor, Data Centre, Water Treatment, Building and Traffic Monitoring



\* Energy industry application such as Oil & Gas, Petrochemicals, Power transmission and Distribution



\* Military application such as Security and Monitoring

- **Efficient Electrical Performance to prevent damage from top and bottom connections**

This DC UPS is designed to accept wide input voltage and frequency range to cope with the worst utility conditions. It can eliminate harmful distortion from utility power and withstand all kinds of severe impacts from various loads. It's capable to support heavy duty equipment, production equipment and DCS (Distributed Control System) system.

- **Front access makes maintenance and replacement easier**

The permit to all components and parts in the unit through the front panel allows further maintenance and replacement easily.

- **Flexible Hot Swappable Design**

This unique modular type design of rectifier module and control module can be added or replaced live while another module continues protecting the load. This function helps to eliminate the interruption to the load when module replacement or system upgrading work is in progress.

Each rectifier module comes with soft-switching technology which results in market-leading efficiency.

- **Display Panel for monitoring modules**

Monitoring module has LCD Screen, key and indicators to allow real time display and set up of system.

The advanced microprocessors make accurate, reliable and fast data analysis.

- **Equipment Efficiency**

Increased efficiency leads to higher sustainability through reduction of carbon emissions. With higher efficiency being translated, reduction of electrical loss and cooling system can be greatly reduced.

- **Flexible battery configuration adapts different applications**

The number of batteries can be adjusted flexibly according to different power demands.

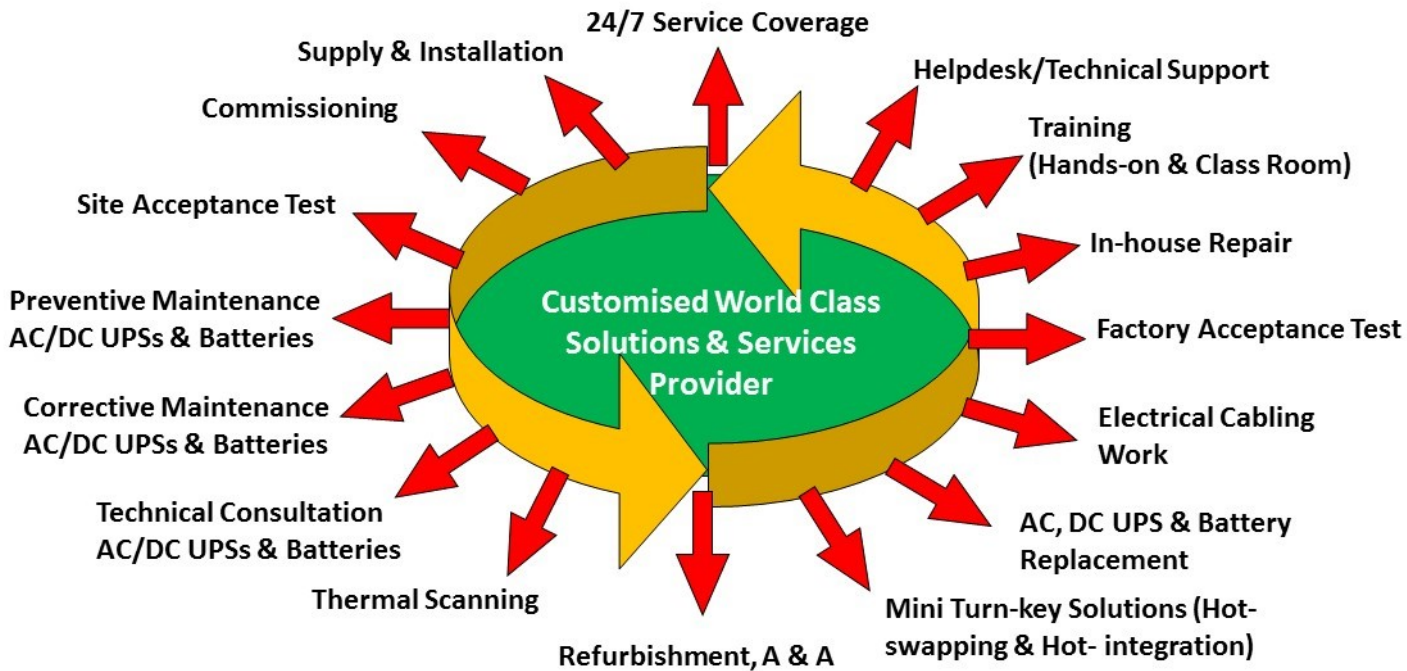


# Brilliant Series Modular DC UPS

## Single / Three Phase Standard Technical Data

MODEL	MODR110-XXXX	MODR220-XXX
<b>OUTPUT CAPACITY</b>	<b>110Vdc / 0020A To 1260A</b>	<b>220Vdc / 010A To 630A</b>
<b>DC POWER SUPPLY SYSTEM</b>		
AC Input Voltage	Single Phase 220V / 230V / 240V or Three Phase 380V / 400V / 415V	
Efficiency	≥ 95%	
Cable Entry	Front Bottom (Other cable entry is available on request)	
Enclosure Protection	IP20 according to IEC60529 or 60144 as standard (Other IP ratings are available on request)	
Enclosure Colour	RAL7035 as standard (Other colours are available on request)	
Dimensions (W x D x H) mm per Cabinet	600 x 800 x H (Height depends upon the output capacity)	
<b>RECTIFIER MODULE INPUT PARAMETERS</b>		
Input Power Factor	0.99 @ Nominal Input	
Input Voltage	± 20% of Single Phase	
Input Current	13.6A	
Input Frequency	± 5% of 50Hz or 60Hz	
Rectifier Soft Start	Built-in	
<b>RECTIFIER MODULE OUTPUT PARAMETERS</b>		
Adjustable Voltage Range	95Vdc To 150Vdc	190Vdc To 300Vdc
Voltage Stabilization Accuracy	± 0.5%	
Current Stabilization Accuracy	± 1%	
Ripple Voltage	≤ 200mV	
Nominal DC Current	20Adc per rectifier	10Adc per rectifier
<b>COMMUNICATION</b>		
Communication Slot	RS232 for LAN monitoring & communication or RS485 *Optional - SNMP Communication	
<b>ENVIRONMENTAL</b>		
Type of Cooling	Fan Cool	
Operating Temperature	- 25°C to + 45°C	
Storage Temperature	- 40°C to + 70°C	
Humidity	≤ 97%	
Noise	≤ 45dB	
Installation Height	0 To 1000m, Derating @ 1% per 100m above 1000m	
Safety	EN61000-4-2, EN61000-4-3, EN61000-4-6, EN61000-4-12	
<b>CONFIGURATION AND PHYSICAL INFORMATION</b>		
Numbers of Rectifier per Sub-rack	Maximum 4 Rectifiers	
Numbers of Rectifier per DC System	Maximum 16 Sub-rack	
Gross Weight (kgs) per Rectifier	2.5	
Dimensions (W x D x H) mm per Rectifier	261 x 103 x 88 (2RU)	
Dimensions (W x D x H) mm per Sub-rack	300 x 490 (19") x 88 (2RU)	

## 3P Power One Stop Solution



**3P Power**

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