

3P Power

Passion Profession Perfection



PRODUCT CATALOGUE

Brilliant Series Industrial DC Power Supply

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



* Industrial application such as Process and Control system, Industrial Machinery, Instrument and Measurement, Process monitoring, Control and Security



* Infrastructures application such as Hospital, Airport, Data Centre, Telecommunication, Semiconductor, Water treatment, Transportation



* Energy industry application such as Oil & Gas, Petrochemicals, Power Plant, Power Transmission



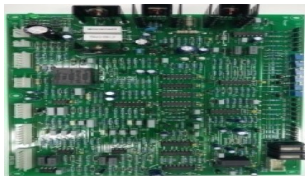
* Military application such as Energy Storage Charger

- **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 is capable of supporting heavy duty equipment and production equipment.

- **Robust cabinet design and unique universal rectifier control card that fits all environment**

The outside cabinet is designed to fit all types of environments from marine to data center and the universal control cards are coated for anti-moisture, anti-electric leakage, anti-dust and anticorrosion. Its robust design is suitable for harsh environment with high temperature, high humidity, dense dust, salt or fierce vibration.



Universal Rectifier Control - URC 1

- **Design and Development in Singapore**

Universal Rectifier Control card, thyristors triggering card and alarm display card are designed, developed, and assembled locally in Singapore. This assures that our products are in the highest quality control.



Universal Rectifier Control - URC2



Alarm Display Card

- **Flexible battery configuration adapts different applications**

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

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

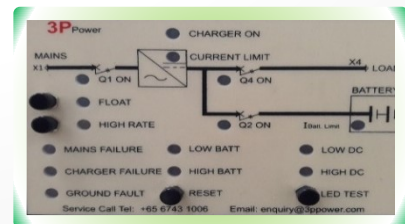
It is considerate in allowing access to all of the electronic cards and power components in the unit through the front panel for further maintenance and replacement.

- **Easy integration into existing electrical networks**

During wiring connection, Excellent Series can be accessible either from top or from bottom under different environmental conditions.

- **Unique Man-machine Interface**

This DC UPS has an unique panel interface, that allows end user to have a better understanding to the current running mode of the live system.



Control & Alarm Display Card

Brilliant Series Industrial DC Power Supply

Single Phase 30V Standard Technical Data

Model	SPC 30-06	SPC 30-10	SPC 30-15	SPC 30-20
Output Capacity (V / A)	30V / 06A	30V / 10A	30V / 15A	30V / 20A
RECTIFIER INPUT				
Phase	1 Phase, L+N+G			
Input PF	0.8 at nominal input and float voltage			
Input Voltage	220V / 230V / 240V +/- 15%			
Input frequency	50Hz / 60Hz +/- 5%			
RECTIFIER DC OUTPUT				
Adjustable Range	From 80% to 135% of nominal voltage at +/- 15% of rectifier input			
Stability (Static)	+/- 1.5% at DC load connected and standard rectifier input			
Stability (Dynamic)	-/+ 5% at load changed from 10% to 100% and vice visa respectively			
Recovery Time	< 250ms to be in static state			
Ripple Voltage	< 5% without battery connected			
Nominal DC Current	From 06Adc to 100Adc (Higher ratings are available on request)			
Adjustable Range	0 to 100% both rectifier current limit and battery current limit			
Current Accuracy	+/- 1.5% of set point			
DC Overcurrent	110% continuous of nominal DC current			
Characteristic	Constant current / constant voltage according to IU IEC 60478-1			
High Pot Test	2.5KV / 1min			
Megger Test	500Vdc			
MECHANICAL SPECIFICATION				
Degree of Protection	IP 20 according to IEC 60529 & 60144 Standard (Other IP ratings are available on request)			
Equipment Colour	RAL7035 come with powder and anti-rust coating (Other colours are available on request)			
Acoustic Noise Level	≤ 65 at 1m typically			
Connection	Top or Bottom or Sides Entry as per customer requirement			
ENVIRONMENTAL				
Type Of Cooling	Nature cool up to 100A			
Operating Temperature	0 Degree Celsius to 45 Degree Celsius			
Storage Temperature	-20 Degree Celsius to 70 Degree Celsius			
Humidity	< 95% (Non Condensing)			
Installation Height	0 to 1000m, de-rating @ 1% per 100m above 1000m			
Safety	IEC 62040-1-2, Functionality IEC 60146-1-1			
Environment	RoHS			
PHYSICAL				
Gross Weight (KG)	60	65	80	95
Cabinet Model	CUB30061	CUB30101	CUB30151	CUB30201
Unit Dimension (W * D *H)mm	660 * 350 * 1100	660 * 350 * 1100	800 * 350 * 1100	800 * 350 * 1100

3P Power One Stop Solution



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