

Platinum



15 - 120kVA

True Online Double Conversion UPS



The **Platinum UPS Range** is designed with Australian conditions and requirements in mind. The technology is based on a tried and tested platform ensuring reliability and performance.

The Platinum is designed to be used in a wide range of applications from data centres to manufacturing, hospitals, military and mining environments to name a few. It provides the best power solution for your critical equipment.

Features



True Online Battery Configuration

- True online battery configuration eliminates the need for a DC to DC converter resulting in a higher reliability (MTBF) and much higher running efficiency. This also results in a reduced overall total cost of ownership, leading to huge dollar savings.

Technology

- True online double conversion technology with DSP control
- Output PF = 0.9 for increased power density
- Very low input harmonic distortion
- Configurable to 3/3, 3/1, 1/3, 1/1 (factory)

Colour Touch Screen/Mimic/LCD Display

- This sophisticated UPS comes with an easy to use colour touch screen, interactive LCD display which gives information on the unit's operation, alarm and control. The LCD also includes an informative mimic display.



Compact Footprint

- Its compact footprint allows installation in limited space environments. This is a natural choice for a centralised UPS solution.

Parallel redundant operation

- With up to four units

Comms Included

- SNMP, Modbus and Dry Contact cards as standard

Internal Batteries

- Available with internal batteries up to 40kVA.
- Option of 12V / 9AH or 12V / 12AH

Optional Accessories

- Optional Additional battery banks
- External Maintenance Bypass Switch (below)



DESIGNED BY AUSTRALIANS FOR AUSTRALIAN CONDITIONS



PLATINUM TOWER SELECTION GUIDE								
MODEL	Platinum 15K	Platinum 20K	Platinum 30K	Platinum 40K	Platinum 60K	Platinum 80K	Platinum 100K	Platinum 120K
Model Number	PSP15K	PSP20K	PSP30K	PSP40K	PSP60K	PSP80K	PSP100K	PSP120K
Capacity	15kVA/13.5kW	20kVA/18kW	30kVA/27kW	40kVA/36kW	60kVA/54kW	80kVA/72kW	100kVA/90kW	120kVA/108kW
INPUT								
Nominal voltage (Vac)	220/380 230/400 240/415							
Input voltage range	+15% or -20%							
Frequency	50/60Hz							
Total harmonic distortion (THDi)	< 1.5% @ 100% load < 2.5% @ 50% load < 6.0% @ 10% load		< 1.0% @ 100% load < 2.0% @ 50% load < 5.0% @ 10% load			< 1.5% @ 100% load < 2.0% @ 50% load < 6.0% @ 10% load		
Power factor	1.0							
OUTPUT								
Nominal voltage (Vac)	220/380 230/400 240/415							
Precision	Stationary: ± 1%, Transitory: ± 2% (load variations 100-0-100%)							
Frequency	50/60Hz synchronised ± 4% With mains absent: ± 0.05%							
Waveform	Pure Sine Wave							
Total Harmonic Distortion (THDv)	< 0.5% (linear load), < 1.5% (non-linear load)							
Phase Displacement	120° ± 1% (balanced load) , 120° ± 2% (imbalances 50% of the load)							
Admissible overload	Phase Overload: 125% for 10 min, 150% for 60 sec; Total Overload: 112.5% for 10 min, 135% for 60 sec							
Load crest factor	3.4 : 1	3.2 : 1			2.8 : 1	3.2 : 1		
Admissible power factor	0.7 inductive to 0.7 capacitive							
Output voltage imbalance with a 100% unbalanced load	< 1%							
Current limit protection	High overload, short-circuit: RMS voltage limit; High crest-factor current: Peak voltage limit							
Efficiency AC-AC	90%	91%	92%	93%	93%	94%	94%	94%
Efficiency DC-AC	95%	95%	96%	96%	96%	96%	96%	96%
STATIC BYPASS								
Type	Solid state							
Activation criteria	Microprocessor control							
Transfer time	Zero							
Admissible static bypass overload	400% for 10 sec							
INTERNAL MAINTENANCE BYPASS								
Type	Without interruption							
Nominal voltage	3 x 400V (3Ph + N)							
Frequency	50/60Hz							
PHYSICAL								
Dimensions D x W x H (mm)	700 x 450 x 1100					805 x 590 x 1320		
Weight without batteries (kg)	86	94	110	122	162	231	255	
Built-in batteries type (2x31)	12V/9AH or 12V/12AH					-		
Weight (Internal 12V/9AH) kg	253	261	277	289	-			
Weight (Internal 12V/12AH) kg	346	354	370	427	-			

EXTERNAL BATTERY CABINETS										
UPS	15KVA	20KVA	30KVA	40KVA	60KVA	80KVA	100KVA	120KVA	Battery Cabinet	Weight (kg)
Load PF = 0.8	12KW	16KW	24KW	32KW	48KW	64KW	80KW	96KW		
Minutes	10	7	4	3	-	-	-	-	62 x 12V*9AH in UPS	-
Minutes	15	10	6	4	-	-	-	-	62 x 12V*12AH in UPS	-
Minutes	28	20	11	8	4	3	-	-	PSBB62/18	435
Minutes	45	30	18	12	7	4	3	-	PSBB62/26	603
Minutes	60	40	23	16	9	6	5	3	PSBB62/33	870
Minutes	80	52	31	21	12	8	6	5	PSBB62/40	1070

* All specifications are subject to change without notice.

* Battery cabinet dimensions can be customised.

* Backup times are approximate and variances may occur.