



PLATINUM MODULAR E

20KW | 40KW | 60KW
30KW | 60KW | 90KW

The Platinum Modular E 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 Modular E 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

- **HIGH EFFICIENCY ONLINE DOUBLE CONVERSION**
The Platinum Modular E utilises true online double conversion technology with an efficiency of up to 96%. This significantly reduces overall Total Cost of Ownership (TCO).
- **HIGH SCALABILITY**
Digital Signal Processor (DSP) control provides an improved solution with high performance. Integrated with modular design and parallel technology, the Platinum Modular E simplifies future power expansion.
- **UNITY OUTPUT POWER FACTOR**
Platinum Modular E delivers unity output power (kVA=kW) providing the maximum power capacity to mission critical loads. It satisfies the requirements of the latest servers and optimises IT investment.
- **MODULAR DESIGN**
Modular design is applied in power module, static switch module and battery module. This simplifies maintenance and replacement with low Mean Time To Repair (MTTR).
As a result of modular design the Mean Time Between Failure (MTBF) is significantly increased.
- **FLEXIBLE BATTERY CONFIGURATION**
Allows for options of 32, 36 or 40 batteries per string.
- **ADJUSTABLE CHARGING CURRENT**
Platinum Modular E provides maximum 6A for 20kW and 8A for 30kW charging current for every power module and it is adjustable based on requirement.
- **HIGH OVERLOAD CAPABILITY**
Platinum Modular E supports 110% overload for 60 minutes, 125% for 10 minutes and 150% for 1 minute.
- **GRAPHIC 5.7" SCREEN/MIMIC/LCD DISPLAY**
Designed for easy management, Platinum Modular E is equipped with a 5.7" graphic LCD screen. This interactive LCD display gives information on the unit's operation, alarm and control. The LCD also includes an informative mimic display.
- **N+1 PARALLEL REDUNDANCY**
Scalable architecture allows you to optimize cost expense to meet power demands by vertically expanding in a single rack enclosure from 20-60kW or 30-90kW and achieve N+1 redundancy in the same rack.



MODEL	PLATINUM MODULAR E 20/40/60KW	PLATINUM MODULAR E 30/60/90KW
Model Number	PSPM60kE	PSPM90kE
Phase	3 phase in / 3 phase out	
Capacity	60kW	90kW
Max. Power Module No.	3	
INPUT		
Nominal voltage (Vac)	3 x 380 / 400 / 415 (3Ph + N)	
Voltage Range	305–478 VAC at 100% load; 208–478VAC at <70% load	
Nominal Frequency	50/60Hz (Auto sensing)	
Frequency Range	40Hz–70Hz	
Power Factor	>0.99 at 100% load, >0.98 at 50% load	
Harmonic Distortion (THDi)	< 3% @ 100% load	
OUTPUT		
Nominal voltage (Vac)	3 x 380 / 400 / 415 (3Ph + N)	
Voltage Regulation (Steady state)	± 1% Typical (balanced load); ± 2% Typical (unbalanced load)	
Voltage Regulation (Transient)	± 5% Typical	
Nominal Frequency	50/60Hz	
Frequency Range (Synchronized range)	46Hz–54Hz or 56Hz–64Hz	
Overload Capability	1 hour for 110%, 10 mins for 125%, 1 min for 150% and 200ms for >150%	
Harmonic Distortion	1.5% THD (Linear Load); 4% THD (Non-linear Load)	
Efficiency	Up to 94.5%	
BATTERY/CHARGER		
Battery Options	32pcs or 36pcs or 40pcs (configurable)	
Battery Options	Yes	
Temperature Compensation	6A per 20kW power module (User-adjustable); 8A per 30kW power module (User-adjustable)	
Maximum Charging Current	Optional – 15RU battery cabinet under UPS. Up to 120 pcs of 12V9Ah batteries	
Battery Cabinet Options		
ENVIRONMENT		
Operation Temperature*	0–40°C	
Relative Humidity	0–95% non-condensing	
Altitude**	< 1000m for Nominal power	
Altitude**	IP 20	
IP Class		
MANAGEMENT		
RS232 / USB	Supports Windows, Linux and MAC	
Optional SNMP	Power management from SNMP manager and web browser	
STANDARDS		
Safety	IEC/EN 60950-1; IEC/EN 62040-1	
EMC	IEC/EN 62040-2 Category C3	

* When temperature is above 30°, the output power factor will be de-rated, 0.9 at 31oC–35°C and 0.8 at 36°C–40°C.
 **If the UPS is installed or used in a place where the altitude is above 1000m, the output power must be derated by one percent per extra 100m.

MODULAR PARTS

MODEL	DESCRIPTION	DIMENSION D x W x H (mm)	WEIGHT (kg)
PSPM30	3P/3P 30KVA/30KW power module	650x440x132(3U)	35
PSPM20	3P/3P 20KVA/20KW power module	650x440x132(3U)	34
PSPM90KE	Platinum Modular E UPS Frame 90kW	1000 x 514 x 760	80
PSPMBB	Optional. Battery cabinet under UPS. 120 pcs of 12V9Ah batteries	1000 x 514 x 760	100

I/No modules. II/Without batteries.

PSPM20



PSPM30

