



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.



AUSTRALIAN DESIGNED
POWER PROTECTION
SOLUTIONS



PLATINUM MODULAR E

MODEL	PLATINUM MODULAR E 20/40/60KW	PLATINUM MODULAR E 30/60/90KW
Model Number	PSPM90kE	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)	
Temperature Compensation	Yes	
Maximum Charging Current	6A per 20kW power module (User-adjustable); 8A per 30kW power module (User-adjustable)	
Battery Cabinet Options	Optional – 15RU battery cabinet under UPS. Up to 120 pcs of 12V9Ah batteries	
ENVIRONMENT		
Operation Temperature*	0–40°C	
Relative Humidity	0–95% non-condensing	
Altitude**	< 1000m for Nominal power	
IP Class	IP 20	
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 31°C–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 ^I	1000 x 514 x 760	80
PSPMBB	Optional. Battery cabinet under UPS. 120 pcs of 12V9Ah batteries ^{II}	1000 x 514 x 760	100

^INo modules. ^{II}Without batteries.

PSPM20



PSPM30

