

QUALITY • VALUE • POWER

GUARANTEED

PowerShield PLATINUM



CAMERA SURVEILLANCE



COMPUTERS



TELEPHONE SYSTEMS



PERIPHERALS



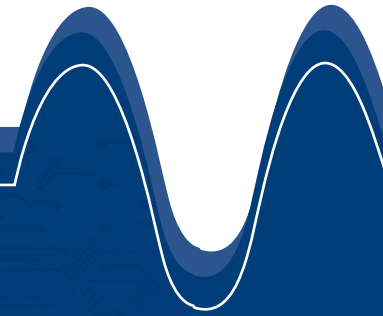
MEDICAL



INDUSTRIAL



MINING



FEATURES

- Centralised control coordinates the PFC rectifier and inverter by DSP
- Switching frequency: 15kHz – less noise (higher frequency)
- Low input current distortion THDi
- Excellent output supports both leading and lagging Power factor of 0.1
- Unity power factor (0.99) at low output load (10%)
- IGBT technology in the Inverter and Rectifier
- Easy to use LCD display for alarm control
- SNMP option available for remote monitoring and control



DESIGNED BY AUSTRALIANS FOR AUSTRALIAN CONDITIONS



Model	PSP10K	PSP15K	PSP20K	PSP30K	PSP40K	PSP60K	PSP80K
Nominal rating (kVA)	10kVA	15kVA	20kVA	30kVA	40kVA	60kVA	80kVA
Nominal rating (kW)	8KW	12KW	16KW	24KW	32KW	48KW	64KW
Input							
Nominal voltage	240/415Vac (3Ph + N)						
Input voltage Range	+15% or -20%						
Frequency	50/60 Hz \pm 5 %						
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			
Power Factor	1.0						
Inverter							
Nominal Voltage	240/415Vac (3Ph + N)						
Precision	Stationary: \pm 1% Transitory: \pm 2% (load variations 100-100%)						
Frequency	50/60 Hz synchronised \pm 4 % With mains absent \pm 0.05%						
Max. Synchronisation Speed	\pm 1 Hz/s						
Waveform	Pure Sinewave						
Total Harmonic Distortion (THDv)	<0.5% (Linear Load) <1.5% (Non-linear Load)						
Phase Displacement	120 $^{\circ}$ \pm 1% (balanced load) 120 $^{\circ}$ \pm 2% (imbalances 50% of the load)						
Dynamic recovery time	10 ms. at 98 % of the static value						
Admissible overload	125% for 10 min., 150% for 60 s						
Admissible Crest Factor	3.4 : 1			3.2 : 1			
Admissible power factor	0.1 inductive to 0.1 capacitive						
Imbalance output voltage with load 100% unbalanced	<1%						
Current limit	High overload, short-circuit: RMS Voltage Limit High Crest-Factor current: Peak Voltage Limit						
Efficiency AC-AC	90%	91%	91%	92%	93%	93%	94%
Efficiency DC-AC	95	95	95	96	96	96	96
Static Bypass							
Type	Solid state						
Voltage	240/415Vac (3Ph + N)						
Frequency	50/60 Hz						
Activation Criteria	Microprocessor control						
Transfer Time	Zero						
Admissible overload	400% for 10 sec.						
Transfer to Bypass	Immediate, for overloads above 150%						
Retransfer	Automatic after alarm clear						
Maintenance Bypass							
Type	Without interruption						
Voltage	240/415Vac (3Ph + N)						
Frequency	50/60 Hz						
Communications							
Standard	RS232, RS485, AS400						
Software	PowerShield NetGuard Software - Supports Windows Based Operating Systems, Linux & Unix						
Options	SNMP						
Dimensions & weight							
D x W x H(mm)	700 x 450 x 1100			805 x 590 x 1320			
Weight Kg (without batteries)	120			190	200	300	
Built-in Batteries Type (2x31)	12V 9Ah	12V 9Ah	12V 9Ah	12V 12Ah	12V 18Ah	-	-
Back-up Time (minutes)	38'	21'	14'	10'	14'	-	-
Weight Kg (w/built-in batteries)	250		250	530		-	-
External Batteries Cabinet 1 - load at PF=0.8							
D x W x H (mm)	700 x 450 x 1100			980 x 650 x 1320			
Type (2x31)	12V*12Ah			12V*26Ah			
Back-up time (minutes)	43'	23'	13'	27'	16'	8'	-
Battery cabinet weight (Kg)	250			710			
External Batteries Cabinet 2 - load at PF=0.8							
D x W x H (mm)	700 x 450 x 1100			980 x 650 x 1320			
Type (2x31)	12V*18Ah			12V*40Ah			
Back-up time	85'	44'	28'	51'	33'	17'	9'
Battery cabinet weight (Kg)	410			1020			

