

Energy station

Tower/Rack System with AC/DC - High frequency



OUTPUT 12/24/48/108Vdc 10 - 50A

A complete offer
for your business



Consultancy



Production



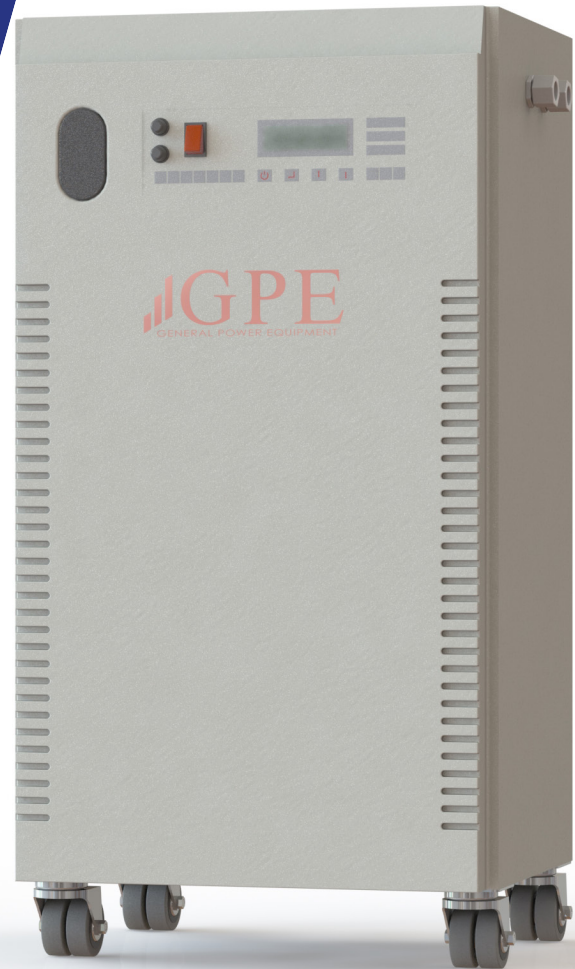
Assistance



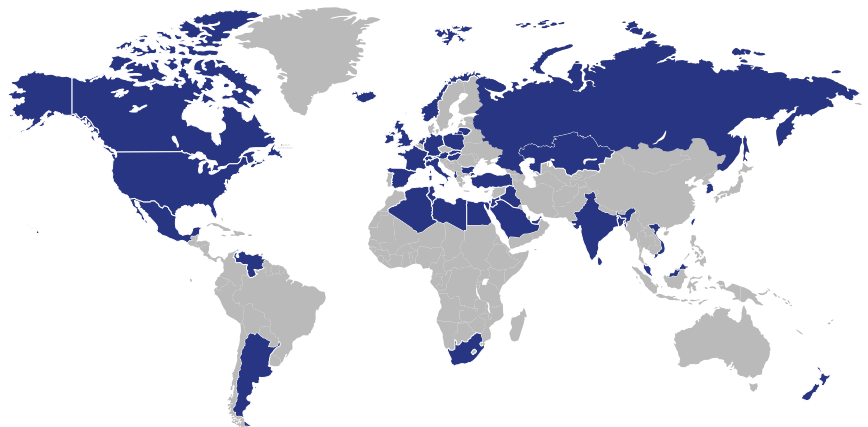
Maintenance

Made in Italy,
innovation from an
international company

- Power supply
- Input PFC
- High frequency DC/DC converter
- Used for telecommunication



**IPS
Innovative
Power Systems**
world market in over
30 years of experience



IPS UK Ltd - Legal address: Watling Court Orbital Plaza

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Engineering solutions for your energy

Energy station

Tower/Rack System with AC/DC - High frequency



Model	10-20-30-40-50
Input	
Main voltage / Main frequency	230Vac (-20% +15%) / 50 Hz
Power factor	>0.98
Output	
Output voltage	12-24-48-108 Vdc
Output current	Vn ± 3%
Static voltage stability	±1% (network variation -10% +15% load 10% a 100%)
Audible noise with connected battery	<2mV (-51.7dBm)
Voltage ripple with connected battery	<50mVeff.
Load shut down for low battery	21,5 Vdc ±2%
Ground isolation resistance	>50MOHM
Isolation	
Electric isolation input-output	2.000Vca 1 minute
Electric isolation input-ground	2.000Vca 1 minute
Electric isolation output-ground	500Vcc 1 minute
Battery	
Batteries without maintenance (in external box)	2 x 12V 40AH / 100AH
Battery test	Manual / Automatic
Battery Exclude	with button on display
Protection elements	
Protection	Output fuses - Output short-circuit protection Electronic battery test - Overload - Output overvoltage Overheating protection - Main input line filters Breakaway charge at minimum battery voltage
Acoustic signal (buzzer)	Any alarm
LED indicators	Main supply - Battery mode - Battery breakdown - Plant feed
DISPLAY LCD Signal (16 bit- 2 line)	Functioning - Battery mode - Line shortage - Overheating Overvoltage - Power Fuse breakage - Battery fuse breakage - Charge fuse breakage - Rich. starter - Overload
Alarm contact	Battery low - Battery failure - Line off - Alarm
General description	
Working temperature	0 ÷ 45°C
Storage temperature	-25 ÷ +45°C
Relative umidity at 35°C	<80%
Ventilation	forced air-cooling
Parallel	Max 7 unit (Can-Bus communication)
Interface	RS232/RS485 - SNMP management (optional)
Safety / Line protection	EN60950 / CEI 103/1-11
Directive EMC	Directive 89/336/EEC

* Specifications subject to change without notice ** The same technical specification may be sold in different countries under different model name, please consult IPS for more information.



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